

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016424.D
 Acq On : 20 Nov 2023 14:53
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

Quant Time: Nov 21 05:12:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.807	168	143745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	231309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	201892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	95015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65832	50.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.734	113	72966	55.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.060%			
50) Toluene-d8	10.191	98	282546	53.026	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.060%			
62) 4-Bromofluorobenzene	12.495	95	90691	52.404	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	25726	18.278	ug/l	91
3) Chloromethane	2.125	50	28350	17.198	ug/l	97
4) Vinyl Chloride	2.259	62	29323	16.543	ug/l	95
5) Bromomethane	2.662	94	19180	16.465	ug/l	99
6) Chloroethane	2.808	64	19455	17.201	ug/l	97
7) Trichlorofluoromethane	3.137	101	50531	19.594	ug/l	97
8) Diethyl Ether	3.546	74	14526	18.847	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.918	101	29968	19.294	ug/l	97
10) Methyl Iodide	4.113	142	31845	18.983	ug/l	97
11) Tert butyl alcohol	4.966	59	7972	77.489	ug/l #	84
12) 1,1-Dichloroethene	3.887	96	27132	18.678	ug/l	88
13) Acrolein	3.741	56	9280	74.784	ug/l	96
14) Allyl chloride	4.497	41	37157	18.026	ug/l #	90
15) Acrylonitrile	5.180	53	27168	88.822	ug/l	97
16) Acetone	3.960	43	25362	116.706	ug/l	91
17) Carbon Disulfide	4.216	76	70232	16.024	ug/l	96
18) Methyl Acetate	4.497	43	21562	18.673	ug/l #	85
19) Methyl tert-butyl Ether	5.240	73	63315	18.009	ug/l	96
20) Methylene Chloride	4.734	84	68571	44.267	ug/l #	85
21) trans-1,2-Dichloroethene	5.240	96	31734	18.974	ug/l	90
22) Diisopropyl ether	6.137	45	82970	18.677	ug/l	88
23) Vinyl Acetate	6.076	43	177618	82.515	ug/l #	91
24) 1,1-Dichloroethane	6.039	63	53313	19.453	ug/l	96
25) 2-Butanone	7.002	43	37354	98.136	ug/l #	87
26) 2,2-Dichloropropane	7.002	77	48761	19.549	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	36828	20.432	ug/l	88
28) Bromochloromethane	7.350	49	19461	19.187	ug/l #	82
29) Tetrahydrofuran	7.368	42	20275	80.588	ug/l #	89
30) Chloroform	7.527	83	59277	20.779	ug/l	96
31) Cyclohexane	7.801	56	43616	16.862	ug/l #	84
32) 1,1,1-Trichloroethane	7.716	97	54652	20.900	ug/l	97
36) 1,1-Dichloropropene	7.929	75	42652	18.694	ug/l	99
37) Ethyl Acetate	7.094	43	14795	16.049	ug/l #	92
38) Carbon Tetrachloride	7.917	117	48468	20.468	ug/l	97
39) Methylcyclohexane	9.197	83	49691	17.478	ug/l	90
40) Benzene	8.179	78	128724	20.081	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016424.D
 Acq On : 20 Nov 2023 14:53
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

Quant Time: Nov 21 05:12:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	7662m	16.484	ug/l	
42) 1,2-Dichloroethane	8.252	62	32665	19.667	ug/l	92
43) Isopropyl Acetate	8.289	43	28728	16.121	ug/l #	95
44) Trichloroethene	8.953	130	37488	20.348	ug/l	96
45) 1,2-Dichloropropane	9.228	63	30685	19.932	ug/l	95
46) Dibromomethane	9.319	93	16304	19.543	ug/l	96
47) Bromodichloromethane	9.508	83	43965	20.499	ug/l	95
48) Methyl methacrylate	9.307	41	16193	16.442	ug/l #	81
49) 1,4-Dioxane	9.313	88	3161	356.902	ug/l #	60
51) 4-Methyl-2-Pentanone	10.081	43	73675	81.761	ug/l	88
52) Toluene	10.258	92	82079	20.256	ug/l	93
53) t-1,3-Dichloropropene	10.477	75	39159	18.834	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	49613	19.978	ug/l #	87
55) 1,1,2-Trichloroethane	10.654	97	23483	20.423	ug/l	93
56) Ethyl methacrylate	10.520	69	19202	17.691	ug/l #	83
57) 1,3-Dichloropropane	10.807	76	38476	19.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	64989	88.301	ug/l	92
59) 2-Hexanone	10.843	43	60034	89.568	ug/l	87
60) Dibromochloromethane	10.996	129	30060	20.903	ug/l	100
61) 1,2-Dibromoethane	11.099	107	21057	19.222	ug/l	99
64) Tetrachloroethene	10.733	164	36724	20.258	ug/l	96
65) Chlorobenzene	11.526	112	88660	20.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	33048	20.772	ug/l	99
67) Ethyl Benzene	11.605	91	156252	20.156	ug/l	98
68) m/p-Xylenes	11.715	106	119707	40.713	ug/l	93
69) o-Xylene	12.044	106	55746	20.420	ug/l	96
70) Styrene	12.056	104	80503	20.594	ug/l	98
71) Bromoform	12.221	173	16416	19.886	ug/l #	98
73) Isopropylbenzene	12.343	105	154024	20.018	ug/l	99
74) N-amyl acetate	12.154	43	22780	14.740	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.593	83	22771	18.444	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	17290m	18.969	ug/l	
77) Bromobenzene	12.623	156	35437	20.378	ug/l	90
78) n-propylbenzene	12.684	91	180781	19.882	ug/l	99
79) 2-Chlorotoluene	12.770	91	100343	20.024	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	125038	20.156	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	7821	18.625	ug/l	87
82) 4-Chlorotoluene	12.867	91	105039	20.286	ug/l	98
83) tert-Butylbenzene	13.087	119	109735	20.083	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	123205	20.170	ug/l	97
85) sec-Butylbenzene	13.263	105	157480	20.174	ug/l	100
86) p-Isopropyltoluene	13.379	119	135031	20.089	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	68833	20.575	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	67374	20.606	ug/l	99
89) n-Butylbenzene	13.709	91	121986	19.652	ug/l	97
90) Hexachloroethane	13.971	117	26709	20.599	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	57698	20.126	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3334	16.973	ug/l	88
93) 1,2,4-Trichlorobenzene	15.019	180	33101	19.781	ug/l	99
94) Hexachlorobutadiene	15.123	225	20934	21.836	ug/l	98
95) Naphthalene	15.251	128	53574	17.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	26673	19.271	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016424.D
 Acq On : 20 Nov 2023 14:53
 Operator : SY/MD
 Sample : VY1120SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
ClientSampleId :
 VY1120SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

Quant Time: Nov 21 05:12:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

