

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120723\
 Data File : VY016626.D
 Acq On : 07 Dec 2023 16:03
 Operator : SY/MD
 Sample : VY1207SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1207SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/08/2023
 Supervised By :Semsettin Yesilyurt 12/08/2023

Quant Time: Dec 07 16:40:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	178185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	254977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	220618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	115927	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	82188	49.904	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.800%		
35) Dibromofluoromethane	7.746	113	75390	49.131	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.260%		
50) Toluene-d8	10.197	98	293042	50.488	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.980%		
62) 4-Bromofluorobenzene	12.502	95	100738	52.778	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	36380	23.114	ug/l	96
3) Chloromethane	2.125	50	45850	28.080	ug/l	99
4) Vinyl Chloride	2.266	62	45985	27.888	ug/l	94
5) Bromomethane	2.668	94	27910	27.022	ug/l	100
6) Chloroethane	2.814	64	27752	27.247	ug/l	93
7) Trichlorofluoromethane	3.143	101	80512	25.829	ug/l	98
8) Diethyl Ether	3.546	74	22047	25.395	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.924	101	46724	26.804	ug/l	96
10) Methyl Iodide	4.125	142	46593	25.298	ug/l	99
11) Tert butyl alcohol	4.985	59	14388	128.223	ug/l #	91
12) 1,1-Dichloroethene	3.893	96	41142	25.981	ug/l	94
13) Acrolein	3.747	56	19808	121.422	ug/l	99
14) Allyl chloride	4.509	41	64011	26.488	ug/l	97
15) Acrylonitrile	5.192	53	32854	93.761	ug/l	98
16) Acetone	3.966	43	57708	154.847	ug/l	100
17) Carbon Disulfide	4.223	76	110911	24.982	ug/l	99
18) Methyl Acetate	4.503	43	38273	25.908	ug/l	96
19) Methyl tert-butyl Ether	5.253	73	84596	21.732	ug/l	97
20) Methylene Chloride	4.747	84	50804	29.544	ug/l	94
21) trans-1,2-Dichloroethene	5.247	96	37255	20.921	ug/l	85
22) Diisopropyl ether	6.143	45	83094	16.719	ug/l #	93
23) Vinyl Acetate	6.088	43	210537	88.240	ug/l #	92
24) 1,1-Dichloroethane	6.045	63	56416	18.476	ug/l #	93
25) 2-Butanone	7.015	43	46918	91.554	ug/l	91
26) 2,2-Dichloropropane	7.009	77	62882	21.906	ug/l	99
27) cis-1,2-Dichloroethene	7.015	96	39892	20.352	ug/l	92
28) Bromochloromethane	7.356	49	19584	15.834	ug/l #	62
29) Tetrahydrofuran	7.374	42	23361	79.956	ug/l #	79
30) Chloroform	7.533	83	67264	20.666	ug/l	100
31) Cyclohexane	7.807	56	47712	16.970	ug/l #	81
32) 1,1,1-Trichloroethane	7.722	97	70163	22.778	ug/l	96
36) 1,1-Dichloropropene	7.941	75	49159	21.075	ug/l	96
37) Ethyl Acetate	7.094	43	17255	17.679	ug/l #	95
38) Carbon Tetrachloride	7.929	117	66786	24.733	ug/l	97
39) Methylcyclohexane	9.203	83	59777	21.271	ug/l	90
40) Benzene	8.185	78	136391	20.745	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	10402	18.453	ug/l #	91
42) 1,2-Dichloroethane	8.258	62	44028	23.063	ug/l	96
43) Isopropyl Acetate	8.295	43	34727	18.444	ug/l #	87
44) Trichloroethene	8.960	130	44366	22.376	ug/l	90
45) 1,2-Dichloropropane	9.240	63	30040	18.978	ug/l	100
46) Dibromomethane	9.325	93	18670	21.516	ug/l	93
47) Bromodichloromethane	9.514	83	50342	21.792	ug/l	98
48) Methyl methacrylate	9.313	41	20720	19.055	ug/l	93
49) 1,4-Dioxane	9.325	88	4095	466.242	ug/l #	73
51) 4-Methyl-2-Pentanone	10.087	43	87641	89.567	ug/l	91
52) Toluene	10.264	92	92382	22.420	ug/l	91
53) t-1,3-Dichloropropene	10.484	75	47385	21.734	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	53413	20.860	ug/l	97
55) 1,1,2-Trichloroethane	10.667	97	26735	22.118	ug/l	90
56) Ethyl methacrylate	10.526	69	22793	20.572	ug/l	88
57) 1,3-Dichloropropane	10.813	76	42309	20.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	63501	93.001	ug/l #	83
59) 2-Hexanone	10.849	43	74170	100.200	ug/l	92
60) Dibromochloromethane	11.008	129	37230	23.052	ug/l	100
61) 1,2-Dibromoethane	11.105	107	24618	21.654	ug/l	99
64) Tetrachloroethene	10.740	164	48401	23.938	ug/l	95
65) Chlorobenzene	11.538	112	102264	22.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	41262	23.626	ug/l	98
67) Ethyl Benzene	11.611	91	179987	22.459	ug/l	97
68) m/p-Xylenes	11.721	106	140850	46.298	ug/l	94
69) o-Xylene	12.050	106	66009	23.242	ug/l	97
70) Styrene	12.063	104	96115	23.588	ug/l	99
71) Bromoform	12.227	173	23158	24.556	ug/l #	100
73) Isopropylbenzene	12.349	105	189135	22.033	ug/l	99
74) N-amyl acetate	12.160	43	28707	16.771	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.599	83	25023	18.328	ug/l	95
76) 1,2,3-Trichloropropane	12.648	75	17351m	16.569	ug/l	
77) Bromobenzene	12.630	156	45505	22.493	ug/l	81
78) n-propylbenzene	12.691	91	210045	21.023	ug/l	95
79) 2-Chlorotoluene	12.776	91	119450	21.216	ug/l	96
80) 1,3,5-Trimethylbenzene	12.831	105	156958	22.503	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	8650	18.633	ug/l	94
82) 4-Chlorotoluene	12.873	91	123071	21.125	ug/l	96
83) tert-Butylbenzene	13.093	119	142838	22.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	154856	22.729	ug/l	98
85) sec-Butylbenzene	13.270	105	191780	21.911	ug/l	96
86) p-Isopropyltoluene	13.386	119	174534	22.971	ug/l	98
87) 1,3-Dichlorobenzene	13.386	146	88281	22.859	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	85964	22.681	ug/l	99
89) n-Butylbenzene	13.715	91	149274	21.846	ug/l	94
90) Hexachloroethane	13.977	117	30879	20.655	ug/l	89
91) 1,2-Dichlorobenzene	13.757	146	75134	22.660	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.379	75	4502	20.605	ug/l	85
93) 1,2,4-Trichlorobenzene	15.025	180	47207	25.231	ug/l	99
94) Hexachlorobutadiene	15.129	225	31483	26.633	ug/l	98
95) Naphthalene	15.257	128	75094	26.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	38589	27.889	ug/l	99

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

