

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112123\
 Data File : VY016436.D
 Acq On : 21 Nov 2023 14:33
 Operator : SY/MD
 Sample : VY1121SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS02

Quant Time: Nov 22 01:14:24 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/22/2023
 Supervised By :Semsettin Yesilyurt 11/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	154782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	254467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	223026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	108826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	74969	52.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.980%			
35) Dibromofluoromethane	7.734	113	79323	54.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.740%			
50) Toluene-d8	10.191	98	298047	50.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.489	95	101650	53.391	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	18261	12.049	ug/l	95
3) Chloromethane	2.119	50	24679	13.904	ug/l	100
4) Vinyl Chloride	2.259	62	27675	14.500	ug/l	97
5) Bromomethane	2.656	94	19098	15.226	ug/l	95
6) Chloroethane	2.802	64	18990	15.593	ug/l	99
7) Trichlorofluoromethane	3.137	101	50731	18.269	ug/l	96
8) Diethyl Ether	3.540	74	17874	21.537	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.912	101	29652	17.729	ug/l	96
10) Methyl Iodide	4.107	142	33298	18.434	ug/l	97
11) Tert butyl alcohol	4.966	59	14090	127.191	ug/l #	89
12) 1,1-Dichloroethene	3.887	96	28001	17.902	ug/l	85
13) Acrolein	3.741	56	12352	92.443	ug/l	99
14) Allyl chloride	4.497	41	38601	17.391	ug/l #	89
15) Acrylonitrile	5.174	53	37736	114.575	ug/l	97
16) Acetone	3.960	43	37194	158.949	ug/l #	81
17) Carbon Disulfide	4.210	76	69343	14.693	ug/l	99
18) Methyl Acetate	4.491	43	27527	22.138	ug/l #	87
19) Methyl tert-butyl Ether	5.241	73	81706	21.583	ug/l	99
20) Methylene Chloride	4.735	84	65399	38.781	ug/l #	83
21) trans-1,2-Dichloroethene	5.241	96	32407	17.995	ug/l	93
22) Diisopropyl ether	6.131	45	92116	19.257	ug/l #	90
23) Vinyl Acetate	6.076	43	230389	99.399	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	56446	19.128	ug/l	95
25) 2-Butanone	6.996	43	53812	131.293	ug/l #	87
26) 2,2-Dichloropropane	6.996	77	52999	19.733	ug/l	96
27) cis-1,2-Dichloroethene	7.003	96	39020	20.105	ug/l	88
28) Bromochloromethane	7.350	49	23304	21.337	ug/l #	80
29) Tetrahydrofuran	7.362	42	29474	108.798	ug/l #	84
30) Chloroform	7.521	83	63618	20.711	ug/l	96
31) Cyclohexane	7.801	56	43157	15.495	ug/l #	82
32) 1,1,1-Trichloroethane	7.716	97	56136	19.937	ug/l	96
36) 1,1-Dichloropropene	7.935	75	44102	17.570	ug/l	98
37) Ethyl Acetate	7.094	43	21528	21.227	ug/l #	92
38) Carbon Tetrachloride	7.917	117	50033	19.206	ug/l	97
39) Methylcyclohexane	9.197	83	49397	15.794	ug/l	92
40) Benzene	8.173	78	134009	19.003	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10001	19.558	ug/l	91
42) 1,2-Dichloroethane	8.246	62	37225	20.373	ug/l	92
43) Isopropyl Acetate	8.283	43	39825	20.315	ug/l #	88
44) Trichloroethene	8.953	130	39920	19.697	ug/l	93
45) 1,2-Dichloropropane	9.228	63	32916	19.435	ug/l	97
46) Dibromomethane	9.319	93	19535	21.285	ug/l	97
47) Bromodichloromethane	9.508	83	48339	20.487	ug/l	99
48) Methyl methacrylate	9.301	41	21079	19.456	ug/l #	83
49) 1,4-Dioxane	9.313	88	4199	430.954	ug/l #	51
51) 4-Methyl-2-Pentanone	10.081	43	107438	108.378	ug/l #	88
52) Toluene	10.258	92	86142	19.324	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	47640	20.828	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	55597	20.350	ug/l #	86
55) 1,1,2-Trichloroethane	10.654	97	27479	21.723	ug/l	97
56) Ethyl methacrylate	10.520	69	26014	21.786	ug/l #	79
57) 1,3-Dichloropropane	10.801	76	45549	21.124	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	83912	103.636	ug/l	91
59) 2-Hexanone	10.843	43	81397	110.388	ug/l	84
60) Dibromochloromethane	10.996	129	35331	22.333	ug/l	100
61) 1,2-Dibromoethane	11.099	107	26620	22.089	ug/l	99
64) Tetrachloroethene	10.727	164	40987	20.467	ug/l	95
65) Chlorobenzene	11.526	112	95266	19.993	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	37481	21.326	ug/l	98
67) Ethyl Benzene	11.605	91	164617	19.223	ug/l	98
68) m/p-Xylenes	11.715	106	126229	38.863	ug/l	95
69) o-Xylene	12.038	106	59617	19.769	ug/l	97
70) Styrene	12.056	104	88400	20.472	ug/l	98
71) Bromoform	12.221	173	21474	23.548	ug/l #	99
73) Isopropylbenzene	12.343	105	162325	18.420	ug/l	100
74) N-amyl acetate	12.154	43	34330	19.394	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.593	83	29909	21.151	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	21218m	20.325	ug/l	
77) Bromobenzene	12.617	156	39542	19.853	ug/l	93
78) n-propylbenzene	12.678	91	187738	18.027	ug/l	98
79) 2-Chlorotoluene	12.764	91	107959	18.810	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	133727	18.821	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	9883	20.549	ug/l	91
82) 4-Chlorotoluene	12.867	91	112796	19.019	ug/l	97
83) tert-Butylbenzene	13.087	119	119397	19.078	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	134852	19.275	ug/l	99
85) sec-Butylbenzene	13.264	105	166322	18.603	ug/l	100
86) p-Isopropyltoluene	13.379	119	144458	18.764	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	75619	19.734	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	74749	19.960	ug/l	99
89) n-Butylbenzene	13.709	91	128436	18.065	ug/l	96
90) Hexachloroethane	13.971	117	27950	18.820	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	66755	20.330	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4515	20.068	ug/l	78
93) 1,2,4-Trichlorobenzene	15.013	180	41319	21.558	ug/l	98
94) Hexachlorobutadiene	15.123	225	22631	20.610	ug/l	97
95) Naphthalene	15.245	128	77870	22.717	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	34341	21.663	ug/l	99

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

