

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011829.D
 Acq On : 14 Dec 2022 06:09
 Operator : KP/MD
 Sample : N6037-18MS
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(7-9)MS

Quant Time: Dec 14 07:19:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	171002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60288	51.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.680%			
35) Dibromofluoromethane	7.716	113	62419	51.682	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.360%			
50) Toluene-d8	10.179	98	189900	47.505	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.020%			
62) 4-Bromofluorobenzene	12.483	95	74914	47.153	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	39173	51.956	ug/l	99
3) Chloromethane	2.119	50	48992	53.906	ug/l	98
4) Vinyl Chloride	2.253	62	57224	52.569	ug/l	99
5) Bromomethane	2.650	94	38915	53.285	ug/l	97
6) Chloroethane	2.796	64	40859	48.185	ug/l	97
7) Trichlorofluoromethane	3.125	101	116005	49.349	ug/l	98
8) Diethyl Ether	3.534	74	41217	50.059	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	71051	50.633	ug/l	100
10) Methyl Iodide	4.094	142	75704	46.077	ug/l	98
11) Tert butyl alcohol	4.954	59	39834	289.866	ug/l	97
12) 1,1-Dichloroethene	3.875	96	62174	49.129	ug/l	94
13) Acrolein	3.735	56	16991	70.484	ug/l	97
14) Allyl chloride	4.485	41	106133	50.488	ug/l	99
15) Acrylonitrile	5.161	53	120088	271.728	ug/l	99
16) Acetone	3.948	43	94788	203.004	ug/l	98
17) Carbon Disulfide	4.198	76	130390	45.116	ug/l	98
18) Methyl Acetate	4.479	43	185442	171.042	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	219903	55.497	ug/l	99
20) Methylene Chloride	4.716	84	108977	67.635	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	70654	49.673	ug/l	96
22) Diisopropyl ether	6.125	45	242264	52.822	ug/l	95
23) Vinyl Acetate	6.125	43	204314m	78.085	ug/l	
24) 1,1-Dichloroethane	6.021	63	144130	51.714	ug/l	100
25) 2-Butanone	6.984	43	140634	234.152	ug/l	99
26) 2,2-Dichloropropane	6.984	77	122194	46.601	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	90000	51.771	ug/l	99
28) Bromochloromethane	7.338	49	55081	54.285	ug/l	99
29) Tetrahydrofuran	7.350	42	97739	285.911	ug/l	99
30) Chloroform	7.508	83	159291	53.461	ug/l	99
31) Cyclohexane	7.789	56	105824	53.340	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	139975	52.676	ug/l	99
36) 1,1-Dichloropropene	7.923	75	102303	49.468	ug/l	100
37) Ethyl Acetate	7.076	43	33352	27.585	ug/l	99
38) Carbon Tetrachloride	7.905	117	126556	52.097	ug/l	99
39) Methylcyclohexane	9.185	83	113792	48.902	ug/l	98
40) Benzene	8.161	78	313125	50.682	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	33244m	54.467	ug/l	
42) 1,2-Dichloroethane	8.240	62	102353	53.574	ug/l	100
43) Isopropyl Acetate	8.277	43	76640	34.958	ug/l	94
44) Trichloroethene	8.941	130	84710	48.957	ug/l	95
45) 1,2-Dichloropropane	9.216	63	83020	51.919	ug/l	98
46) Dibromomethane	9.307	93	48781	54.499	ug/l	98
47) Bromodichloromethane	9.496	83	125599	54.315	ug/l	96
48) Methyl methacrylate	9.295	41	67072	69.404	ug/l	99
49) 1,4-Dioxane	9.301	88	14047	1132.816	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	344177	284.911	ug/l	99
52) Toluene	10.246	92	202066	51.447	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	117881	51.036	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	129285	49.818	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	73557	55.600	ug/l	98
56) Ethyl methacrylate	10.514	69	48054	28.138	ug/l	98
57) 1,3-Dichloropropane	10.794	76	119778	54.315	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	215893	272.622	ug/l	99
59) 2-Hexanone	10.831	43	221138	256.210	ug/l	100
60) Dibromochloromethane	10.983	129	91492	55.216	ug/l	99
61) 1,2-Dibromoethane	11.093	107	65116	54.330	ug/l	98
64) Tetrachloroethene	10.721	164	88828	51.501	ug/l	99
65) Chlorobenzene	11.520	112	217183	49.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	91399	53.636	ug/l	99
67) Ethyl Benzene	11.593	91	389211	50.287	ug/l	100
68) m/p-Xylenes	11.703	106	297129	100.245	ug/l	99
69) o-Xylene	12.032	106	145490	51.496	ug/l	99
70) Styrene	12.044	104	242167	50.221	ug/l	99
71) Bromoform	12.209	173	57654	54.852	ug/l #	100
73) Isopropylbenzene	12.331	105	392695	53.272	ug/l	100
74) N-amyl acetate	12.148	43	31973	18.040	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	84059	58.553	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	67768m	58.872	ug/l	
77) Bromobenzene	12.611	156	90839	52.778	ug/l	98
78) n-propylbenzene	12.672	91	451091	51.063	ug/l	99
79) 2-Chlorotoluene	12.758	91	257990	51.171	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	326438	52.391	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24548	48.392	ug/l	98
82) 4-Chlorotoluene	12.855	91	257601	49.261	ug/l	99
83) tert-Butylbenzene	13.075	119	297130	54.766	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	318112	51.853	ug/l	99
85) sec-Butylbenzene	13.257	105	417119	51.625	ug/l	100
86) p-Isopropyltoluene	13.373	119	338763	50.375	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	169191	48.848	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	166487	48.363	ug/l	99
89) n-Butylbenzene	13.696	91	280885	45.947	ug/l	99
90) Hexachloroethane	13.965	117	66327	49.635	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	157418	50.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13863	55.387	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	75956	41.782	ug/l	99
94) Hexachlorobutadiene	15.117	225	46708	40.438	ug/l	99
95) Naphthalene	15.239	128	171837	48.804	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	68193	43.428	ug/l	98

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

