

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014684.D
 Acq On : 17 Jul 2023 19:51
 Operator : SY/MD
 Sample : 03631-02MS
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02(2-4)MS

Quant Time: Jul 18 06:14:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	200657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68430	29.927	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	59.860%		
35) Dibromofluoromethane	7.716	113	82556	41.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.580%		
50) Toluene-d8	10.179	98	317522	43.075	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.160%		
62) 4-Bromofluorobenzene	12.483	95	95323	33.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	80824	49.440	ug/l	99
3) Chloromethane	2.113	50	89945	48.946	ug/l	97
4) Vinyl Chloride	2.247	62	122197	59.499	ug/l	98
5) Bromomethane	2.650	94	75065	55.307	ug/l	96
6) Chloroethane	2.790	64	74426	58.015	ug/l	98
7) Trichlorofluoromethane	3.119	101	181328	52.569	ug/l	99
8) Diethyl Ether	3.527	74	41930	32.671	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	109490	51.788	ug/l	94
10) Methyl Iodide	4.088	142	82033	37.237	ug/l	97
11) Tert butyl alcohol	4.954	59	30431	52.073	ug/l #	79
12) 1,1-Dichloroethene	3.869	96	97199	49.191	ug/l	92
13) Acrolein	3.729	56	3434	14.369	ug/l	90
14) Allyl chloride	4.479	41	138788	39.558	ug/l	96
15) Acrylonitrile	5.161	53	70264	99.284	ug/l	98
16) Acetone	3.942	43	58710	81.026	ug/l	96
17) Carbon Disulfide	4.192	76	253836	44.870	ug/l	98
18) Methyl Acetate	4.479	43	101346	36.447	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	197900	30.832	ug/l	98
20) Methylene Chloride	4.710	84	95695	39.792	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	101445	45.240	ug/l	99
22) Diisopropyl ether	6.118	45	272002	38.133	ug/l #	85
23) Vinyl Acetate	6.112	43	236907m	55.500	ug/l	
24) 1,1-Dichloroethane	6.009	63	177796	43.563	ug/l	97
25) 2-Butanone	6.984	43	91413	86.234	ug/l	93
26) 2,2-Dichloropropane	6.978	77	156735	40.294	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	110256	42.241	ug/l	93
28) Bromochloromethane	7.332	49	50980	29.003	ug/l	91
29) Tetrahydrofuran	7.344	42	64519	98.844	ug/l	91
30) Chloroform	7.502	83	178667	42.452	ug/l	94
31) Cyclohexane	7.783	56	172470	45.438	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	187454	49.487	ug/l	98
36) 1,1-Dichloropropene	7.917	75	152170	50.893	ug/l	99
37) Ethyl Acetate	7.069	43	32748	15.908	ug/l #	94
38) Carbon Tetrachloride	7.899	117	169282	53.558	ug/l	98
39) Methylcyclohexane	9.185	83	191488	49.157	ug/l	93
40) Benzene	8.155	78	388686	45.708	ug/l	100

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41) Methacrylonitrile	7.307	41	19692	18.597	ug/l	87
42) 1,2-Dichloroethane	8.234	62	91626	34.025	ug/l	94
43) Isopropyl Acetate	8.271	43	79675	20.318	ug/l #	89
44) Trichloroethene	8.941	130	114378	48.073	ug/l	97
45) 1,2-Dichloropropane	9.215	63	89875	40.475	ug/l	96
46) Dibromomethane	9.307	93	42149	31.289	ug/l	95
47) Bromodichloromethane	9.496	83	125315	39.470	ug/l	99
48) Methyl methacrylate	9.289	41	53239	30.171	ug/l	93
49) 1,4-Dioxane	9.289	88	9919	451.574	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	237083	115.147	ug/l	93
52) Toluene	10.240	92	247706	45.521	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	108271	31.176	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	133585	35.372	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	58841	31.358	ug/l	98
56) Ethyl methacrylate	10.508	69	57154	19.949	ug/l	88
57) 1,3-Dichloropropane	10.788	76	102852	31.779	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	173613	130.054	ug/l	93
59) 2-Hexanone	10.831	43	150549	100.266	ug/l	92
60) Dibromochloromethane	10.983	129	77556	33.711	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53722	28.699	ug/l	100
64) Tetrachloroethene	10.721	164	105495	53.314	ug/l	97
65) Chlorobenzene	11.514	112	245439	46.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	91545	46.310	ug/l	97
67) Ethyl Benzene	11.593	91	483071	51.032	ug/l	99
68) m/p-Xylenes	11.703	106	360060	99.645	ug/l	96
69) o-Xylene	12.026	106	170878	48.551	ug/l	97
70) Styrene	12.044	104	259483	43.744	ug/l	99
71) Bromoform	12.209	173	42106	31.424	ug/l #	99
73) Isopropylbenzene	12.325	105	479669	63.624	ug/l	100
74) N-amyl acetate	12.142	43	37163	14.718	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	62887	36.578	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	43144m	35.479	ug/l	
77) Bromobenzene	12.605	156	88055	51.167	ug/l	97
78) n-propylbenzene	12.672	91	538014	59.222	ug/l	99
79) 2-Chlorotoluene	12.758	91	289487	55.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	363725	57.768	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13866	22.077	ug/l	93
82) 4-Chlorotoluene	12.855	91	284339	52.762	ug/l	100
83) tert-Butylbenzene	13.075	119	347710	62.255	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	343023	55.514	ug/l	100
85) sec-Butylbenzene	13.251	105	489819	59.784	ug/l	100
86) p-Isopropyltoluene	13.367	119	383874	57.385	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	165211	49.326	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	158619	47.259	ug/l	98
89) n-Butylbenzene	13.696	91	319758	49.132	ug/l	96
90) Hexachloroethane	13.959	117	78174	56.895	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	139547	45.475	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8634	26.260	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	60910	31.268	ug/l	98
94) Hexachlorobutadiene	15.111	225	40577	37.905	ug/l	98
95) Naphthalene	15.233	128	115667	25.487	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	47892	27.663	ug/l	96

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

