

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014688.D
 Acq On : 18 Jul 2023 09:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 19 03:58:47 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 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	252006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	426709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	374816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	154081	53.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.716	113	145091	53.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.179	98	522514	52.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.360%			
62) 4-Bromofluorobenzene	12.483	95	192101	50.027	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	87769	42.749	ug/l	96
3) Chloromethane	2.107	50	132783	57.534	ug/l	99
4) Vinyl Chloride	2.247	62	145925	56.575	ug/l	97
5) Bromomethane	2.643	94	104221	61.142	ug/l	100
6) Chloroethane	2.790	64	96320	59.783	ug/l	97
7) Trichlorofluoromethane	3.119	101	212767	49.115	ug/l	97
8) Diethyl Ether	3.527	74	83469	51.786	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	126964	47.817	ug/l	95
10) Methyl Iodide	4.088	142	146941	52.100	ug/l	97
11) Tert butyl alcohol	4.960	59	137392	229.380	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	123493	49.763	ug/l	93
13) Acrolein	3.729	56	59761	199.104	ug/l	98
14) Allyl chloride	4.479	41	216064	49.036	ug/l	96
15) Acrylonitrile	5.161	53	245201	275.876	ug/l	99
16) Acetone	3.948	43	233229	256.293	ug/l	92
17) Carbon Disulfide	4.192	76	340053	47.862	ug/l	99
18) Methyl Acetate	4.472	43	194719	55.758	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	430835	53.445	ug/l	99
20) Methylene Chloride	4.710	84	151629	51.410	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	144432	51.285	ug/l	97
22) Diisopropyl ether	6.118	45	462220	51.597	ug/l	92
23) Vinyl Acetate	6.057	43	1395668	260.342	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	266315	51.956	ug/l	98
25) 2-Butanone	6.984	43	354863	266.547	ug/l	95
26) 2,2-Dichloropropane	6.978	77	254479	52.092	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	173720	52.994	ug/l	96
28) Bromochloromethane	7.332	49	115544	52.340	ug/l	94
29) Tetrahydrofuran	7.344	42	221761	270.514	ug/l	92
30) Chloroform	7.502	83	278533	52.695	ug/l	95
31) Cyclohexane	7.783	56	205474	43.103	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	246934	51.907	ug/l	99
36) 1,1-Dichloropropene	7.917	75	198617	48.894	ug/l	99
37) Ethyl Acetate	7.076	43	145932	52.178	ug/l #	95
38) Carbon Tetrachloride	7.899	117	214830	50.029	ug/l	98
39) Methylcyclohexane	9.185	83	234863	44.379	ug/l	93
40) Benzene	8.161	78	586267	50.746	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	77791m	54.076	ug/l	
42) 1,2-Dichloroethane	8.234	62	188777	51.599	ug/l	95
43) Isopropyl Acetate	8.271	43	275316	51.677	ug/l	96
44) Trichloroethene	8.941	130	162677	50.326	ug/l	100
45) 1,2-Dichloropropane	9.215	63	150351	49.839	ug/l	98
46) Dibromomethane	9.307	93	95687	52.284	ug/l	96
47) Bromodichloromethane	9.496	83	222928	51.683	ug/l	99
48) Methyl methacrylate	9.295	41	122299	51.015	ug/l	92
49) 1,4-Dioxane	9.301	88	31202	1045.582	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	750241	268.206	ug/l	94
52) Toluene	10.246	92	374163	50.612	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	239234	50.705	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	261010	50.871	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	133912	52.529	ug/l	97
56) Ethyl methacrylate	10.508	69	202716	52.081	ug/l	90
57) 1,3-Dichloropropane	10.788	76	227672	51.779	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	461389	254.403	ug/l	94
59) 2-Hexanone	10.831	43	540280	264.855	ug/l	92
60) Dibromochloromethane	10.983	129	164429	52.607	ug/l	100
61) 1,2-Dibromoethane	11.087	107	132115	51.949	ug/l	100
64) Tetrachloroethene	10.721	164	149864	49.714	ug/l	97
65) Chlorobenzene	11.514	112	408322	51.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	159665	53.018	ug/l	99
67) Ethyl Benzene	11.593	91	735031	50.969	ug/l	98
68) m/p-Xylenes	11.703	106	558249	101.410	ug/l	97
69) o-Xylene	12.032	106	274069	51.115	ug/l	98
70) Styrene	12.044	104	466334	51.603	ug/l	98
71) Bromoform	12.209	173	110821	54.289	ug/l #	99
73) Isopropylbenzene	12.331	105	725029	50.566	ug/l	100
74) N-amyl acetate	12.142	43	241757	50.344	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	171869	52.563	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	130119m	56.262	ug/l	
77) Bromobenzene	12.611	156	169446	51.772	ug/l	95
78) n-propylbenzene	12.672	91	855833	49.534	ug/l	99
79) 2-Chlorotoluene	12.758	91	491394	49.378	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	600720	50.167	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	60817	50.915	ug/l	95
82) 4-Chlorotoluene	12.855	91	508853	49.648	ug/l	100
83) tert-Butylbenzene	13.075	119	529923	49.888	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	591222	50.310	ug/l	98
85) sec-Butylbenzene	13.251	105	778775	49.979	ug/l	99
86) p-Isopropyltoluene	13.373	119	646674	50.830	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	329936	51.796	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	326786	51.194	ug/l	99
89) n-Butylbenzene	13.696	91	598769	48.376	ug/l	96
90) Hexachloroethane	13.959	117	132900	50.858	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	301884	51.727	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32648	52.211	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	189928	51.266	ug/l	99
94) Hexachlorobutadiene	15.111	225	99139	48.696	ug/l	98
95) Naphthalene	15.233	128	458159	53.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	169539	51.492	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

