

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015282.D
 Acq On : 23 Aug 2023 06:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/23/2023
 Supervised By :Mahesh Dadoda 08/23/2023

Quant Time: Aug 23 06:45:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	142362	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	248321	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	229493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100173	58.618	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.240%			
35) Dibromofluoromethane	7.728	113	87136	54.544	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.080%			
50) Toluene-d8	10.185	98	310600	52.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.483	95	112718	51.893	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	27587	44.720	ug/l	99
3) Chloromethane	2.113	50	43920	51.795	ug/l	99
4) Vinyl Chloride	2.253	62	52985	46.773	ug/l	98
5) Bromomethane	2.650	94	43497	55.719	ug/l	100
6) Chloroethane	2.796	64	43726	53.165	ug/l	98
7) Trichlorofluoromethane	3.125	101	91404	47.885	ug/l	98
8) Diethyl Ether	3.534	74	42329	56.543	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	57323	48.320	ug/l	96
10) Methyl Iodide	4.101	142	60770	52.168	ug/l	99
11) Tert butyl alcohol	4.991	59	66946	237.107	ug/l #	79
12) 1,1-Dichloroethene	3.881	96	48575	49.035	ug/l	90
13) Acrolein	3.735	56	14857	105.399	ug/l	100
14) Allyl chloride	4.485	41	91056	51.845	ug/l	97
15) Acrylonitrile	5.180	53	158813	313.042	ug/l	98
16) Acetone	3.967	43	125582	224.945	ug/l	91
17) Carbon Disulfide	4.204	76	78738	45.165	ug/l	96
18) Methyl Acetate	4.491	43	151737	74.168	ug/l	95
19) Methyl tert-butyl Ether	5.235	73	240064	56.994	ug/l	99
20) Methylene Chloride	4.723	84	90252	69.073	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	57690	51.629	ug/l	96
22) Diisopropyl ether	6.131	45	250124	57.073	ug/l	94
23) Vinyl Acetate	6.070	43	670876	256.550	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	130451	54.981	ug/l	97
25) 2-Butanone	6.997	43	220598	279.074	ug/l	99
26) 2,2-Dichloropropane	6.990	77	92458	40.423	ug/l	98
27) cis-1,2-Dichloroethene	6.997	96	84267	55.207	ug/l	92
28) Bromochloromethane	7.344	49	61746	56.644	ug/l	96
29) Tetrahydrofuran	7.362	42	142786	302.095	ug/l	93
30) Chloroform	7.515	83	147652	55.513	ug/l	96
31) Cyclohexane	7.795	56	75685	49.560	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	117808	52.051	ug/l	99
36) 1,1-Dichloropropene	7.923	75	83607	47.306	ug/l	100
37) Ethyl Acetate	7.088	43	88524	53.735	ug/l	96
38) Carbon Tetrachloride	7.911	117	96725	46.243	ug/l	98
39) Methylcyclohexane	9.191	83	88461	44.648	ug/l	94
40) Benzene	8.167	78	274526	51.377	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	47123	55.472	ug/l	94
42) 1,2-Dichloroethane	8.246	62	103310	53.236	ug/l	94
43) Isopropyl Acetate	8.283	43	160249	53.416	ug/l	98
44) Trichloroethene	8.947	130	77099	50.083	ug/l	98
45) 1,2-Dichloropropane	9.222	63	79692	52.889	ug/l	94
46) Dibromomethane	9.313	93	51468	54.159	ug/l	95
47) Bromodichloromethane	9.502	83	122142	53.861	ug/l	97
48) Methyl methacrylate	9.301	41	75426	58.773	ug/l	94
49) 1,4-Dioxane	9.313	88	20700	1089.289	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	512576	294.804	ug/l	95
52) Toluene	10.252	92	178116	50.574	ug/l	96
53) t-1,3-Dichloropropene	10.472	75	117035	49.108	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	123168	49.072	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	79453	54.985	ug/l	99
56) Ethyl methacrylate	10.514	69	114894	54.331	ug/l	92
57) 1,3-Dichloropropane	10.795	76	130365	55.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	285753	290.358	ug/l	95
59) 2-Hexanone	10.837	43	366118	284.513	ug/l	93
60) Dibromochloromethane	10.990	129	94224	54.665	ug/l	100
61) 1,2-Dibromoethane	11.093	107	73833	53.787	ug/l	100
64) Tetrachloroethene	10.728	164	88548	55.382	ug/l	96
65) Chlorobenzene	11.520	112	209825	50.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	88187	51.978	ug/l	99
67) Ethyl Benzene	11.599	91	359122	49.019	ug/l	100
68) m/p-Xylenes	11.709	106	269818	96.969	ug/l	96
69) o-Xylene	12.032	106	138275	49.885	ug/l	98
70) Styrene	12.050	104	244558	50.976	ug/l	97
71) Bromoform	12.215	173	64924	52.788	ug/l #	99
73) Isopropylbenzene	12.331	105	364334	49.022	ug/l	100
74) N-amyl acetate	12.148	43	138511	51.618	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.587	83	107164	55.363	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	78564m	55.949	ug/l	
77) Bromobenzene	12.611	156	92531	51.077	ug/l	95
78) n-propylbenzene	12.672	91	423803	48.020	ug/l	100
79) 2-Chlorotoluene	12.758	91	254446	49.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	301150	48.610	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	29435	46.043	ug/l	98
82) 4-Chlorotoluene	12.855	91	257066	48.873	ug/l	99
83) tert-Butylbenzene	13.081	119	275729	48.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	302970	48.940	ug/l	99
85) sec-Butylbenzene	13.258	105	401665	48.378	ug/l	100
86) p-Isopropyltoluene	13.373	119	327098	47.518	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	177575	49.420	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	176758	49.045	ug/l	99
89) n-Butylbenzene	13.697	91	293445	45.212	ug/l	97
90) Hexachloroethane	13.965	117	66116	48.415	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	170651	50.839	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20856	55.620	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	101197	46.959	ug/l	98
94) Hexachlorobutadiene	15.111	225	52804	45.047	ug/l	98
95) Naphthalene	15.239	128	283421	52.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	97609	50.153	ug/l	98

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

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