

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015993.D
 Acq On : 16 Oct 2023 18:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/20/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 17 05:46:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	203626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	320873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	305463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	158850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	108531	46.701	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.400%		
35) Dibromofluoromethane	7.734	113	100437	49.720	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.440%		
50) Toluene-d8	10.191	98	398697	52.703	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.400%		
62) 4-Bromofluorobenzene	12.489	95	144535	53.655	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	86680	50.874	ug/l	98
3) Chloromethane	2.119	50	118573	44.514	ug/l	98
4) Vinyl Chloride	2.259	62	120039	55.075	ug/l	97
5) Bromomethane	2.668	94	80921	65.638	ug/l	97
6) Chloroethane	2.808	64	71005	50.410	ug/l	100
7) Trichlorofluoromethane	3.131	101	216638	58.600	ug/l	97
8) Diethyl Ether	3.540	74	66520	48.144	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.905	101	116743	55.536	ug/l	94
10) Methyl Iodide	4.094	142	125596	51.959	ug/l	99
11) Tert butyl alcohol	5.112	59	277313m	205.676	ug/l	
12) 1,1-Dichloroethene	3.875	96	109213	55.150	ug/l	95
13) Acrolein	3.753	56	104902	239.006	ug/l	100
14) Allyl chloride	4.484	41	189127	59.103	ug/l	92
15) Acrylonitrile	5.204	53	306722	251.994	ug/l	97
16) Acetone	4.003	43	386506	286.311	ug/l	93
17) Carbon Disulfide	4.198	76	324999	53.695	ug/l	100
18) Methyl Acetate	4.515	43	213631	45.623	ug/l #	89
19) Methyl tert-butyl Ether	5.253	73	294729	44.397	ug/l	98
20) Methylene Chloride	4.722	84	126542	49.016	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	114858	49.621	ug/l	97
22) Diisopropyl ether	6.149	45	328474	49.432	ug/l	97
23) Vinyl Acetate	6.082	43	955051	218.471	ug/l #	95
24) 1,1-Dichloroethane	6.027	63	198173	50.124	ug/l	98
25) 2-Butanone	7.027	43	491946	250.387	ug/l	97
26) 2,2-Dichloropropane	6.996	77	163570	49.823	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	125893	48.371	ug/l	95
28) Bromochloromethane	7.350	49	84959	48.154	ug/l	91
29) Tetrahydrofuran	7.380	42	334304	248.222	ug/l	93
30) Chloroform	7.521	83	205265	50.021	ug/l	97
31) Cyclohexane	7.795	56	185266	50.080	ug/l	90
32) 1,1,1-Trichloroethane	7.716	97	188652	51.690	ug/l	98
36) 1,1-Dichloropropene	7.929	75	163214	53.547	ug/l	99
37) Ethyl Acetate	7.106	43	169046m	35.945	ug/l	
38) Carbon Tetrachloride	7.911	117	170583	53.141	ug/l	97
39) Methylcyclohexane	9.191	83	210148	53.738	ug/l	94
40) Benzene	8.173	78	460156	52.177	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	71026m	45.804	ug/l	
42) 1,2-Dichloroethane	8.252	62	138307	48.876	ug/l	94
43) Isopropyl Acetate	8.295	43	235155	46.543	ug/l #	91
44) Trichloroethene	8.947	130	148073	54.484	ug/l	100
45) 1,2-Dichloropropane	9.228	63	115415	51.287	ug/l	100
46) Dibromomethane	9.319	93	74936	47.374	ug/l	96
47) Bromodichloromethane	9.508	83	159376	49.896	ug/l	99
48) Methyl methacrylate	9.307	41	105292	47.180	ug/l	89
49) 1,4-Dioxane	9.368	88	87279	1978.533	ug/l #	82
51) 4-Methyl-2-Pentanone	10.081	43	1170630	314.391	ug/l	91
52) Toluene	10.252	92	304239	53.957	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	190902	53.303	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	203128	52.762	ug/l #	89
55) 1,1,2-Trichloroethane	10.654	97	120003	53.285	ug/l	96
56) Ethyl methacrylate	10.520	69	190850	54.133	ug/l	90
57) 1,3-Dichloropropane	10.800	76	201472	52.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.794	63	291825	188.627	ug/l	95
59) 2-Hexanone	10.843	43	1055896	332.209	ug/l	88
60) Dibromochloromethane	10.996	129	137406	53.653	ug/l	100
61) 1,2-Dibromoethane	11.099	107	129987	53.342	ug/l	100
64) Tetrachloroethene	10.727	164	143056	53.723	ug/l	97
65) Chlorobenzene	11.526	112	330442	51.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	123709	52.215	ug/l	99
67) Ethyl Benzene	11.599	91	590698	52.783	ug/l	98
68) m/p-Xylenes	11.709	106	457459	105.921	ug/l	95
69) o-Xylene	12.038	106	219775	53.226	ug/l	97
70) Styrene	12.050	104	380437	54.138	ug/l	96
71) Bromoform	12.215	173	106957	53.012	ug/l #	99
73) Isopropylbenzene	12.337	105	580505	51.622	ug/l	100
74) N-amyl acetate	12.154	43	249918	55.012	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	163464	47.325	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	151295m	48.668	ug/l	
77) Bromobenzene	12.617	156	141693	50.192	ug/l	88
78) n-propylbenzene	12.678	91	705380	51.583	ug/l	100
79) 2-Chlorotoluene	12.763	91	391369	50.601	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	484654	51.877	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	71729	54.354	ug/l	92
82) 4-Chlorotoluene	12.861	91	407169	51.222	ug/l	99
83) tert-Butylbenzene	13.081	119	425449	51.825	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	490974	52.354	ug/l	98
85) sec-Butylbenzene	13.263	105	631402	51.824	ug/l	100
86) p-Isopropyltoluene	13.379	119	532145	52.267	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	279997	51.648	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	281989	51.510	ug/l	99
89) n-Butylbenzene	13.702	91	503366	52.577	ug/l	97
90) Hexachloroethane	13.971	117	99638	51.061	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	263880	51.879	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	60357	61.085	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	172970	51.737	ug/l	99
94) Hexachlorobutadiene	15.117	225	86259	50.815	ug/l	98
95) Naphthalene	15.245	128	607048	55.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	166136	51.833	ug/l	98

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

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