

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011588.D
 Acq On : 23 Nov 2022 20:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/28/2022
 Supervised By :Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 00:40:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	170498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94996	54.872	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.740%			
35) Dibromofluoromethane	7.716	113	90833	53.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.960%			
50) Toluene-d8	10.179	98	315006	51.036	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.080%			
62) 4-Bromofluorobenzene	12.483	95	122822	53.820	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	42467	45.708	ug/l	98
3) Chloromethane	2.113	50	72412	49.948	ug/l	96
4) Vinyl Chloride	2.253	62	82810	42.941	ug/l	99
5) Bromomethane	2.650	94	57789	46.676	ug/l	100
6) Chloroethane	2.796	64	56341	41.874	ug/l	100
7) Trichlorofluoromethane	3.131	101	136768	48.350	ug/l	96
8) Diethyl Ether	3.528	74	50666	55.420	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.900	101	83018	50.754	ug/l	94
10) Methyl Iodide	4.095	142	95371	50.045	ug/l	96
11) Tert butyl alcohol	4.948	59	50377	271.169	ug/l	96
12) 1,1-Dichloroethene	3.875	96	75669	50.502	ug/l	89
13) Acrolein	3.735	56	10764	235.803	ug/l	100
14) Allyl chloride	4.485	41	143053	54.387	ug/l	93
15) Acrylonitrile	5.161	53	151322	303.042	ug/l	98
16) Acetone	3.948	43	130201	231.536	ug/l	94
17) Carbon Disulfide	4.198	76	204346	49.209	ug/l	99
18) Methyl Acetate	4.479	43	76503	59.302	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	246984	57.759	ug/l	95
20) Methylene Chloride	4.716	84	114091	55.352	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	89720	51.818	ug/l	95
22) Diisopropyl ether	6.119	45	326916	56.940	ug/l	96
23) Vinyl Acetate	6.064	43	1022130	305.622	ug/l	96
24) 1,1-Dichloroethane	6.021	63	176773	52.439	ug/l	98
25) 2-Butanone	6.984	43	200259	270.975	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	149992	48.210	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	108052	53.009	ug/l	94
28) Bromochloromethane	7.332	49	75569	55.801	ug/l	96
29) Tetrahydrofuran	7.344	42	130249	312.080	ug/l	94
30) Chloroform	7.509	83	186628	53.385	ug/l	99
31) Cyclohexane	7.783	56	143934	50.159	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	159975	51.154	ug/l	97
36) 1,1-Dichloropropene	7.917	75	130803	49.266	ug/l	99
37) Ethyl Acetate	7.076	43	88061	58.247	ug/l	98
38) Carbon Tetrachloride	7.905	117	143125	48.183	ug/l	99
39) Methylcyclohexane	9.185	83	148617	50.159	ug/l	95
40) Benzene	8.161	78	389197	50.323	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	45516m	59.544	ug/l	
42) 1,2-Dichloroethane	8.240	62	122733	51.313	ug/l	94
43) Isopropyl Acetate	8.271	43	153408	56.248	ug/l	95
44) Trichloroethene	8.941	130	100726	48.406	ug/l	95
45) 1,2-Dichloropropane	9.216	63	103198	52.203	ug/l	98
46) Dibromomethane	9.307	93	58059	52.526	ug/l	95
47) Bromodichloromethane	9.496	83	144199	51.792	ug/l	98
48) Methyl methacrylate	9.295	41	71592	59.097	ug/l	91
49) 1,4-Dioxane	9.301	88	16290	1190.042	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	455970	300.744	ug/l	94
52) Toluene	10.246	92	250768	51.274	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	144534	51.933	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	161620	51.621	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	83406	52.743	ug/l	99
56) Ethyl methacrylate	10.508	69	114404	58.169	ug/l #	86
57) 1,3-Dichloropropane	10.789	76	142302	53.134	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	259217	269.115	ug/l	98
59) 2-Hexanone	10.831	43	311394	287.767	ug/l	91
60) Dibromochloromethane	10.984	129	101917	52.590	ug/l	100
61) 1,2-Dibromoethane	11.087	107	77006	53.349	ug/l	100
64) Tetrachloroethene	10.721	164	103893	49.248	ug/l	97
65) Chlorobenzene	11.514	112	267201	49.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	101698	50.054	ug/l	97
67) Ethyl Benzene	11.593	91	489659	50.588	ug/l	99
68) m/p-Xylenes	11.703	106	373382	101.337	ug/l	97
69) o-Xylene	12.032	106	178529	52.042	ug/l	96
70) Styrene	12.044	104	306409	52.327	ug/l	97
71) Bromoform	12.209	173	64903	52.507	ug/l #	99
73) Isopropylbenzene	12.331	105	479762	51.068	ug/l	99
74) N-amyl acetate	12.142	43	130946	56.443	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	99677	53.843	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	78641m	56.215	ug/l	
77) Bromobenzene	12.611	156	109143	49.753	ug/l	99
78) n-propylbenzene	12.672	91	580904	50.684	ug/l	100
79) 2-Chlorotoluene	12.758	91	327017	50.622	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	405962	51.263	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34587	54.153	ug/l	90
82) 4-Chlorotoluene	12.855	91	338234	50.073	ug/l	99
83) tert-Butylbenzene	13.075	119	350521	50.816	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	402741	51.491	ug/l	100
85) sec-Butylbenzene	13.252	105	520778	50.600	ug/l	100
86) p-Isopropyltoluene	13.367	119	435947	50.754	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	217472	48.700	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	215272	48.211	ug/l	98
89) n-Butylbenzene	13.697	91	400730	50.751	ug/l	100
90) Hexachloroethane	13.959	117	84804	48.892	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	197532	49.902	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16716	55.059	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	107630	49.021	ug/l	99
94) Hexachlorobutadiene	15.111	225	65091	47.693	ug/l	97
95) Naphthalene	15.233	128	233231	50.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	95179	50.584	ug/l	98

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

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