

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012837.D
 Acq On : 07 Mar 2023 10:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 12:50:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	100116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	149183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	136794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45161	45.433	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.860%		
35) Dibromofluoromethane	7.716	113	43449	48.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.520%		
50) Toluene-d8	10.179	98	155328	47.192	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.380%		
62) 4-Bromofluorobenzene	12.483	95	54293	48.872	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47205	47.837	ug/l	98
3) Chloromethane	2.113	50	55831	47.326	ug/l	100
4) Vinyl Chloride	2.253	62	54495	50.375	ug/l	99
5) Bromomethane	2.650	94	34117	51.903	ug/l	93
6) Chloroethane	2.796	64	34431	53.145	ug/l	92
7) Trichlorofluoromethane	3.131	101	91995	51.202	ug/l	98
8) Diethyl Ether	3.534	74	30678	48.724	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	55036	50.913	ug/l	98
10) Methyl Iodide	4.094	142	73346	52.075	ug/l	98
11) Tert butyl alcohol	4.948	59	27212	236.995	ug/l	100
12) 1,1-Dichloroethene	3.875	96	53273	51.673	ug/l	96
13) Acrolein	3.729	56	52258	300.071	ug/l	100
14) Allyl chloride	4.485	41	91648	48.124	ug/l	97
15) Acrylonitrile	5.161	53	84132	253.599	ug/l	99
16) Acetone	3.948	43	97213	249.161	ug/l	96
17) Carbon Disulfide	4.192	76	172944	49.282	ug/l	100
18) Methyl Acetate	4.479	43	55542	47.803	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	137064	51.471	ug/l	98
20) Methylene Chloride	4.722	84	62744	53.025	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	58679	52.375	ug/l	92
22) Diisopropyl ether	6.118	45	176481	51.021	ug/l	98
23) Vinyl Acetate	6.058	43	548512	255.218	ug/l	98
24) 1,1-Dichloroethane	6.021	63	100788	51.135	ug/l	99
25) 2-Butanone	6.984	43	121295	251.000	ug/l	99
26) 2,2-Dichloropropane	6.978	77	88619	50.623	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	63818	53.130	ug/l	97
28) Bromochloromethane	7.332	49	36308	50.407	ug/l	95
29) Tetrahydrofuran	7.344	42	73175	251.067	ug/l	98
30) Chloroform	7.508	83	104430	53.640	ug/l	100
31) Cyclohexane	7.789	56	87933	46.190	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	92526	52.553	ug/l	99
36) 1,1-Dichloropropene	7.917	75	78884	52.285	ug/l	99
37) Ethyl Acetate	7.070	43	46698	49.108	ug/l	99
38) Carbon Tetrachloride	7.899	117	85897	55.132	ug/l	99
39) Methylcyclohexane	9.185	83	94499	52.684	ug/l	96
40) Benzene	8.161	78	231817	54.318	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25617m	50.000	ug/l	
42) 1,2-Dichloroethane	8.234	62	69074	53.834	ug/l	99
43) Isopropyl Acetate	8.271	43	86518	50.995	ug/l	97
44) Trichloroethene	8.941	130	61264	54.446	ug/l	99
45) 1,2-Dichloropropane	9.215	63	57348	53.170	ug/l	99
46) Dibromomethane	9.307	93	33955	55.259	ug/l	98
47) Bromodichloromethane	9.496	83	80304	55.458	ug/l	100
48) Methyl methacrylate	9.295	41	39246	50.203	ug/l	93
49) 1,4-Dioxane	9.301	88	8534	1074.326	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	245510	266.776	ug/l	99
52) Toluene	10.246	92	144284	56.058	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	83151	54.746	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	93571	54.430	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	47541	55.555	ug/l	97
56) Ethyl methacrylate	10.508	69	63022	55.232	ug/l	98
57) 1,3-Dichloropropane	10.788	76	80851	55.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	163041	272.189	ug/l	99
59) 2-Hexanone	10.831	43	181864	271.906	ug/l	97
60) Dibromochloromethane	10.983	129	59352	56.977	ug/l	99
61) 1,2-Dibromoethane	11.093	107	44964	54.546	ug/l	98
64) Tetrachloroethene	10.721	164	52749	52.963	ug/l	98
65) Chlorobenzene	11.520	112	153700	53.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	57793	54.401	ug/l	99
67) Ethyl Benzene	11.593	91	275345	54.550	ug/l	100
68) m/p-Xylenes	11.703	106	216222	111.351	ug/l	99
69) o-Xylene	12.032	106	100543	55.479	ug/l	98
70) Styrene	12.044	104	172191	56.937	ug/l	99
71) Bromoform	12.209	173	38853	56.093	ug/l #	98
73) Isopropylbenzene	12.331	105	266213	51.727	ug/l	100
74) N-amyl acetate	12.148	43	79110	48.855	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	58939	50.946	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47422m	54.686	ug/l	
77) Bromobenzene	12.611	156	65213	52.160	ug/l	96
78) n-propylbenzene	12.672	91	333455	52.553	ug/l	100
79) 2-Chlorotoluene	12.758	91	183165	51.940	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	224191	52.786	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20785	49.664	ug/l	99
82) 4-Chlorotoluene	12.855	91	189398	51.883	ug/l	100
83) tert-Butylbenzene	13.075	119	192539	52.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	221276	53.279	ug/l	99
85) sec-Butylbenzene	13.257	105	296702	53.053	ug/l	99
86) p-Isopropyltoluene	13.373	119	242476	53.050	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	126238	52.352	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	127303	51.728	ug/l	99
89) n-Butylbenzene	13.696	91	229648	52.484	ug/l	100
90) Hexachloroethane	13.965	117	49314	51.802	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115535	53.004	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9544	51.045	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	69812	52.018	ug/l	98
94) Hexachlorobutadiene	15.117	225	41922	51.214	ug/l	98
95) Naphthalene	15.239	128	143159	53.230	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	62282	52.180	ug/l	99

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

