

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013656.D
 Acq On : 09 May 2023 09:54
 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 05/10/2023
 Supervised By :Mahesh Dadoda 05/10/2023

Quant Time: May 10 05:32:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	242785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	367746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	328779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	133163	50.034	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.060%			
35) Dibromofluoromethane	7.716	113	121712	52.622	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.240%			
50) Toluene-d8	10.179	98	409971	49.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.483	95	149870	54.029	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	118539	51.357	ug/l	98
3) Chloromethane	2.113	50	143521	46.389	ug/l	97
4) Vinyl Chloride	2.253	62	142819	46.362	ug/l	97
5) Bromomethane	2.656	94	104739	42.666	ug/l	99
6) Chloroethane	2.796	64	92885	43.646	ug/l	98
7) Trichlorofluoromethane	3.131	101	247717	53.082	ug/l	99
8) Diethyl Ether	3.533	74	78881	49.637	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	132608	50.659	ug/l	97
10) Methyl Iodide	4.088	142	151829	46.180	ug/l	97
11) Tert butyl alcohol	4.960	59	80722	269.229	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	124227	49.233	ug/l	97
13) Acrolein	3.735	56	40018	169.227	ug/l	93
14) Allyl chloride	4.485	41	230492	49.231	ug/l	97
15) Acrylonitrile	5.161	53	217427	244.301	ug/l	98
16) Acetone	3.948	43	269108	256.756	ug/l	98
17) Carbon Disulfide	4.198	76	360020	43.925	ug/l	99
18) Methyl Acetate	4.472	43	161782	46.735	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	367271	50.418	ug/l	99
20) Methylene Chloride	4.716	84	157279	47.495	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	139279	50.485	ug/l	95
22) Diisopropyl ether	6.118	45	488875	53.423	ug/l	97
23) Vinyl Acetate	6.057	43	1454075	280.641	ug/l	96
24) 1,1-Dichloroethane	6.015	63	266056	52.166	ug/l	100
25) 2-Butanone	6.984	43	334420	251.589	ug/l	94
26) 2,2-Dichloropropane	6.978	77	242861	55.261	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	162063	53.167	ug/l	94
28) Bromochloromethane	7.332	49	93463	51.641	ug/l	82
29) Tetrahydrofuran	7.350	42	191068	230.920	ug/l	92
30) Chloroform	7.502	83	278015	54.826	ug/l	98
31) Cyclohexane	7.783	56	224176	47.045	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	245125	54.172	ug/l	98
36) 1,1-Dichloropropene	7.917	75	203487	53.010	ug/l	97
37) Ethyl Acetate	7.076	43	131230	45.428	ug/l	97
38) Carbon Tetrachloride	7.899	117	222702	55.352	ug/l	97
39) Methylcyclohexane	9.185	83	233316	51.557	ug/l	96
40) Benzene	8.161	78	583249	53.939	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	57406	42.645	ug/l	92
42) 1,2-Dichloroethane	8.234	62	188779	53.401	ug/l	98
43) Isopropyl Acetate	8.270	43	239711	49.163	ug/l	97
44) Trichloroethene	8.941	130	153940	53.521	ug/l	98
45) 1,2-Dichloropropane	9.215	63	153143	54.167	ug/l	98
46) Dibromomethane	9.307	93	88823	52.507	ug/l	96
47) Bromodichloromethane	9.496	83	212551	56.152	ug/l	99
48) Methyl methacrylate	9.295	41	114410	51.091	ug/l	92
49) 1,4-Dioxane	9.307	88	22819	944.487	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	679164	249.963	ug/l	96
52) Toluene	10.246	92	355902	54.695	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	217838	54.376	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	240059	53.254	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	119571	53.374	ug/l	98
56) Ethyl methacrylate	10.508	69	166664	53.625	ug/l	92
57) 1,3-Dichloropropane	10.788	76	202647	53.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	274826	235.812	ug/l	94
59) 2-Hexanone	10.831	43	504569	255.467	ug/l	96
60) Dibromochloromethane	10.983	129	148865	54.727	ug/l	100
61) 1,2-Dibromoethane	11.087	107	116337	52.820	ug/l	98
64) Tetrachloroethene	10.721	164	131206	52.481	ug/l	100
65) Chlorobenzene	11.520	112	381083	53.209	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	146913	54.847	ug/l	99
67) Ethyl Benzene	11.593	91	688074	54.711	ug/l	99
68) m/p-Xylenes	11.703	106	523762	109.550	ug/l	97
69) o-Xylene	12.032	106	243744	53.906	ug/l	94
70) Styrene	12.044	104	421679	55.775	ug/l	99
71) Bromoform	12.209	173	99321	52.937	ug/l #	99
73) Isopropylbenzene	12.331	105	664441	54.478	ug/l	98
74) N-amyl acetate	12.142	43	209490	48.267	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	146578	49.168	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	94345m	43.384	ug/l	
77) Bromobenzene	12.611	156	158880	53.762	ug/l	94
78) n-propylbenzene	12.672	91	814711	54.232	ug/l	97
79) 2-Chlorotoluene	12.757	91	454494	54.177	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	542625	54.510	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	52279	49.175	ug/l	94
82) 4-Chlorotoluene	12.855	91	461015	52.725	ug/l	99
83) tert-Butylbenzene	13.074	119	464157	53.819	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	531054	54.871	ug/l	100
85) sec-Butylbenzene	13.251	105	702516	54.275	ug/l	98
86) p-Isopropyltoluene	13.373	119	571506	54.905	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	302217	53.677	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	295514	51.959	ug/l	99
89) n-Butylbenzene	13.696	91	546081	53.752	ug/l	98
90) Hexachloroethane	13.965	117	114502	52.267	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	268422	52.795	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24941	47.371	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	157727	52.033	ug/l	99
94) Hexachlorobutadiene	15.117	225	98490	55.828	ug/l	98
95) Naphthalene	15.239	128	320421	48.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	140600	52.040	ug/l	99

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

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