

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013676.D
 Acq On : 09 May 2023 18:18
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/10/2023
 Supervised By :Mahesh Dadoda 05/10/2023

Quant Time: May 10 05:41:10 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	225618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	339139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	137399	55.554	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.100%			
35) Dibromofluoromethane	7.716	113	118368	55.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.980%			
50) Toluene-d8	10.179	98	395695	52.147	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.477	95	148412	58.016	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	105607	49.236	ug/l	100
3) Chloromethane	2.113	50	126639	44.047	ug/l	98
4) Vinyl Chloride	2.247	62	128740	44.971	ug/l	98
5) Bromomethane	2.650	94	100385	44.004	ug/l	99
6) Chloroethane	2.790	64	85465	43.215	ug/l	100
7) Trichlorofluoromethane	3.125	101	227560	52.473	ug/l	97
8) Diethyl Ether	3.528	74	73936	50.065	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	120493	49.534	ug/l	98
10) Methyl Iodide	4.088	142	138550	45.348	ug/l	97
11) Tert butyl alcohol	4.954	59	108918	390.618	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	110565	47.153	ug/l	89
13) Acrolein	3.729	56	50999	235.482	ug/l	99
14) Allyl chloride	4.473	41	206450	47.451	ug/l	98
15) Acrylonitrile	5.161	53	230675	278.908	ug/l	97
16) Acetone	3.948	43	263343	270.373	ug/l	95
17) Carbon Disulfide	4.192	76	324653	42.624	ug/l	100
18) Methyl Acetate	4.479	43	174627	54.284	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	365950	54.059	ug/l	98
20) Methylene Chloride	4.710	84	150268	49.102	ug/l #	85
21) trans-1,2-Dichloroethene	5.216	96	128974	50.307	ug/l	97
22) Diisopropyl ether	6.112	45	454526	53.449	ug/l	96
23) Vinyl Acetate	6.058	43	1420137	294.946	ug/l	97
24) 1,1-Dichloroethane	6.009	63	245495	51.797	ug/l	97
25) 2-Butanone	6.984	43	342197	277.028	ug/l	92
26) 2,2-Dichloropropane	6.978	77	220248	53.929	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	151332	53.424	ug/l	96
28) Bromochloromethane	7.332	49	90155	53.604	ug/l	84
29) Tetrahydrofuran	7.344	42	209082	271.919	ug/l	93
30) Chloroform	7.503	83	264132	56.052	ug/l	97
31) Cyclohexane	7.783	56	198979	44.935	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	230537	54.824	ug/l	97
36) 1,1-Dichloropropene	7.917	75	184138	52.016	ug/l	98
37) Ethyl Acetate	7.076	43	149232	56.018	ug/l	96
38) Carbon Tetrachloride	7.899	117	209719	56.522	ug/l	95
39) Methylcyclohexane	9.179	83	210667	50.479	ug/l	97
40) Benzene	8.155	78	544089	54.562	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	74469	59.987	ug/l	96
42) 1,2-Dichloroethane	8.234	62	191598	58.770	ug/l	98
43) Isopropyl Acetate	8.271	43	248621	55.291	ug/l	97
44) Trichloroethene	8.935	130	144613	54.519	ug/l	96
45) 1,2-Dichloropropane	9.216	63	145941	55.974	ug/l	100
46) Dibromomethane	9.301	93	87717	56.227	ug/l	97
47) Bromodichloromethane	9.496	83	204349	58.539	ug/l	99
48) Methyl methacrylate	9.289	41	115625	55.989	ug/l	97
49) 1,4-Dioxane	9.301	88	26162	1174.196	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	735261	293.436	ug/l	96
52) Toluene	10.240	92	339650	56.601	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	213058	57.669	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	231773	55.753	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	118173	57.200	ug/l	95
56) Ethyl methacrylate	10.508	69	170409	59.455	ug/l	91
57) 1,3-Dichloropropane	10.788	76	204179	58.355	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	291874	271.565	ug/l	95
59) 2-Hexanone	10.831	43	536766	294.693	ug/l	97
60) Dibromochloromethane	10.984	129	148409	59.161	ug/l	100
61) 1,2-Dibromoethane	11.087	107	115138	56.685	ug/l	99
64) Tetrachloroethene	10.715	164	126061	53.324	ug/l	98
65) Chlorobenzene	11.514	112	365512	53.971	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	144398	57.010	ug/l	99
67) Ethyl Benzene	11.593	91	658549	55.376	ug/l	99
68) m/p-Xylenes	11.703	106	499573	110.502	ug/l	97
69) o-Xylene	12.026	106	236246	55.254	ug/l	96
70) Styrene	12.044	104	413691	57.867	ug/l	100
71) Bromoform	12.203	173	105360	59.387	ug/l #	100
73) Isopropylbenzene	12.325	105	627353	51.026	ug/l	98
74) N-amyl acetate	12.142	43	217727	49.764	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	154501	51.412	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	110994m	50.632	ug/l	
77) Bromobenzene	12.605	156	158712	53.276	ug/l	95
78) n-propylbenzene	12.666	91	769118	50.788	ug/l	98
79) 2-Chlorotoluene	12.752	91	433442	51.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	523119	52.130	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	54430	50.789	ug/l	94
82) 4-Chlorotoluene	12.849	91	450767	51.141	ug/l	97
83) tert-Butylbenzene	13.075	119	454718	52.303	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	520056	53.305	ug/l	99
85) sec-Butylbenzene	13.251	105	665479	51.003	ug/l	99
86) p-Isopropyltoluene	13.367	119	548387	52.263	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	299153	52.709	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	294755	51.412	ug/l	100
89) n-Butylbenzene	13.697	91	515159	50.303	ug/l	98
90) Hexachloroethane	13.959	117	108690	49.217	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	271716	53.015	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27120	51.098	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	161270	52.777	ug/l	99
94) Hexachlorobutadiene	15.111	225	96127	54.054	ug/l	99
95) Naphthalene	15.233	128	353952	53.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	149087	54.741	ug/l	99

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

