

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013811.D
 Acq On : 18 May 2023 19:36
 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 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 03:23:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	252291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	386691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	346717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141789	48.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.728	113	120512	48.600	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.185	98	462208	49.167	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.483	95	155285	49.730	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	91595	50.566	ug/l	96
3) Chloromethane	2.119	50	111810	40.714	ug/l	100
4) Vinyl Chloride	2.259	62	116441	42.463	ug/l	100
5) Bromomethane	2.662	94	88510	36.399	ug/l	96
6) Chloroethane	2.802	64	76166	40.409	ug/l	98
7) Trichlorofluoromethane	3.137	101	207624	52.022	ug/l	99
8) Diethyl Ether	3.540	74	63623	47.641	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.911	101	107537	46.039	ug/l	97
10) Methyl Iodide	4.100	142	110232	42.955	ug/l	97
11) Tert butyl alcohol	4.978	59	64949	273.558	ug/l #	90
12) 1,1-Dichloroethene	3.887	96	100001	47.233	ug/l	97
13) Acrolein	3.741	56	83390	196.607	ug/l	98
14) Allyl chloride	4.491	41	185093	44.380	ug/l	97
15) Acrylonitrile	5.173	53	169786	216.795	ug/l	99
16) Acetone	3.960	43	159197	180.041	ug/l	98
17) Carbon Disulfide	4.210	76	267949	44.043	ug/l	99
18) Methyl Acetate	4.491	43	128920	41.820	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	308659	48.052	ug/l	98
20) Methylene Chloride	4.728	84	136398	51.330	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	114191	47.900	ug/l	98
22) Diisopropyl ether	6.131	45	404206	45.563	ug/l	99
23) Vinyl Acetate	6.070	43	1156630	225.307	ug/l	99
24) 1,1-Dichloroethane	6.027	63	221467	45.667	ug/l	98
25) 2-Butanone	6.996	43	229638	199.780	ug/l	100
26) 2,2-Dichloropropane	6.990	77	200042	48.290	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	137265	48.865	ug/l	99
28) Bromochloromethane	7.338	49	69969	41.235	ug/l	92
29) Tetrahydrofuran	7.356	42	144766	210.486	ug/l	97
30) Chloroform	7.514	83	237075	48.512	ug/l	96
31) Cyclohexane	7.795	56	175572	41.783	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	211273	50.646	ug/l	99
36) 1,1-Dichloropropene	7.923	75	164365	47.974	ug/l	99
37) Ethyl Acetate	7.082	43	102695	43.575	ug/l	98
38) Carbon Tetrachloride	7.905	117	191743	53.050	ug/l	98
39) Methylcyclohexane	9.191	83	185022	47.513	ug/l	98
40) Benzene	8.167	78	485255	48.738	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	59499	50.804	ug/l #	80
42) 1,2-Dichloroethane	8.240	62	167341	52.018	ug/l	99
43) Isopropyl Acetate	8.277	43	189261	44.245	ug/l	96
44) Trichloroethene	8.947	130	128346	49.312	ug/l	98
45) 1,2-Dichloropropane	9.221	63	128084	46.815	ug/l	99
46) Dibromomethane	9.307	93	73372	47.884	ug/l	96
47) Bromodichloromethane	9.502	83	181751	50.086	ug/l #	97
48) Methyl methacrylate	9.295	41	88192	44.883	ug/l	94
49) 1,4-Dioxane	9.313	88	16670	886.420	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	528467	221.853	ug/l	99
52) Toluene	10.246	92	302744	50.157	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	183616	49.076	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	202740	48.566	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	101110	48.516	ug/l	100
56) Ethyl methacrylate	10.514	69	135078	48.568	ug/l	98
57) 1,3-Dichloropropane	10.794	76	173917	48.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	206809	205.245	ug/l	95
59) 2-Hexanone	10.837	43	358441	211.693	ug/l	99
60) Dibromochloromethane	10.989	129	129388	51.237	ug/l	100
61) 1,2-Dibromoethane	11.093	107	94477	48.075	ug/l	99
64) Tetrachloroethene	10.721	164	110163	50.087	ug/l	96
65) Chlorobenzene	11.520	112	328918	50.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	130771	51.284	ug/l	98
67) Ethyl Benzene	11.599	91	590132	50.605	ug/l	98
68) m/p-Xylenes	11.703	106	447561	102.468	ug/l	99
69) o-Xylene	12.032	106	214032	51.513	ug/l	99
70) Styrene	12.044	104	371952	52.708	ug/l	99
71) Bromoform	12.209	173	84663	50.257	ug/l #	99
73) Isopropylbenzene	12.331	105	573650	50.125	ug/l	100
74) N-amyl acetate	12.148	43	167020	43.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	120435	44.424	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	99619m	48.692	ug/l	
77) Bromobenzene	12.611	156	139845	50.656	ug/l	95
78) n-propylbenzene	12.672	91	704546	49.977	ug/l	99
79) 2-Chlorotoluene	12.757	91	394033	49.525	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	476346	51.045	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	40902	44.510	ug/l	96
82) 4-Chlorotoluene	12.855	91	409524	49.412	ug/l	97
83) tert-Butylbenzene	13.074	119	425258	52.330	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	469575	51.341	ug/l	100
85) sec-Butylbenzene	13.257	105	613862	50.065	ug/l	99
86) p-Isopropyltoluene	13.373	119	506475	51.154	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	270279	50.290	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	263326	48.727	ug/l	98
89) n-Butylbenzene	13.696	91	475661	49.002	ug/l	99
90) Hexachloroethane	13.965	117	100072	47.830	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	242280	50.624	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19994	45.516	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	142329	50.115	ug/l	99
94) Hexachlorobutadiene	15.111	225	87384	49.530	ug/l	98
95) Naphthalene	15.239	128	279253	49.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	127622	49.945	ug/l	99

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

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