

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014711.D
 Acq On : 20 Jul 2023 10:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 14:08:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	248070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	409806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138515	49.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.000%		
35) Dibromofluoromethane	7.716	113	128387	49.214	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.420%		
50) Toluene-d8	10.179	98	456438	47.458	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.920%		
62) 4-Bromofluorobenzene	12.483	95	171953	46.627	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	81039	40.097	ug/l	97
3) Chloromethane	2.113	50	109990	48.414	ug/l	98
4) Vinyl Chloride	2.247	62	126276	49.734	ug/l	99
5) Bromomethane	2.643	94	90499	53.935	ug/l	98
6) Chloroethane	2.790	64	83914	52.909	ug/l	97
7) Trichlorofluoromethane	3.119	101	191067	44.806	ug/l	99
8) Diethyl Ether	3.527	74	73435	46.284	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	115348	44.131	ug/l	96
10) Methyl Iodide	4.088	142	130285	47.162	ug/l	97
11) Tert butyl alcohol	4.948	59	116170	193.055	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	106587	43.632	ug/l	93
13) Acrolein	3.729	56	60144	203.559	ug/l	98
14) Allyl chloride	4.472	41	183106	42.215	ug/l	97
15) Acrylonitrile	5.155	53	212416	242.782	ug/l	98
16) Acetone	3.942	43	223979	250.034	ug/l	95
17) Carbon Disulfide	4.192	76	287416	41.096	ug/l	100
18) Methyl Acetate	4.472	43	163578	47.584	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	375712	47.347	ug/l	100
20) Methylene Chloride	4.710	84	135667	46.308	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	122874	44.323	ug/l	96
22) Diisopropyl ether	6.112	45	401410	45.520	ug/l	92
23) Vinyl Acetate	6.051	43	1223193	231.789	ug/l	95
24) 1,1-Dichloroethane	6.015	63	227908	45.168	ug/l	99
25) 2-Butanone	6.978	43	313023	238.850	ug/l	95
26) 2,2-Dichloropropane	6.972	77	214964	44.702	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	149481	46.324	ug/l	95
28) Bromochloromethane	7.332	49	100762	46.368	ug/l	92
29) Tetrahydrofuran	7.344	42	190221	235.722	ug/l	92
30) Chloroform	7.502	83	242049	46.519	ug/l	97
31) Cyclohexane	7.783	56	186490	39.741	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	212965	45.477	ug/l	99
36) 1,1-Dichloropropene	7.917	75	172815	44.297	ug/l	99
37) Ethyl Acetate	7.069	43	126339	47.036	ug/l #	96
38) Carbon Tetrachloride	7.899	117	188134	45.620	ug/l	99
39) Methylcyclohexane	9.185	83	215077	42.316	ug/l	95
40) Benzene	8.161	78	506005	45.605	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	72487m	52.467	ug/l	
42) 1,2-Dichloroethane	8.234	62	165167	47.008	ug/l	95
43) Isopropyl Acetate	8.270	43	236487	46.219	ug/l	96
44) Trichloroethene	8.941	130	140460	45.246	ug/l	98
45) 1,2-Dichloropropane	9.215	63	130697	45.111	ug/l	96
46) Dibromomethane	9.301	93	83766	47.659	ug/l	95
47) Bromodichloromethane	9.496	83	193364	46.678	ug/l	98
48) Methyl methacrylate	9.289	41	105093	45.646	ug/l	94
49) 1,4-Dioxane	9.295	88	28205	984.136	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	643834	239.660	ug/l	94
52) Toluene	10.240	92	323395	45.549	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	208654	46.048	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	224131	45.485	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	116078	47.411	ug/l	97
56) Ethyl methacrylate	10.508	69	175914	47.059	ug/l	89
57) 1,3-Dichloropropane	10.788	76	196477	46.527	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	420216	241.258	ug/l	94
59) 2-Hexanone	10.831	43	472003	240.928	ug/l	92
60) Dibromochloromethane	10.983	129	144137	48.017	ug/l	100
61) 1,2-Dibromoethane	11.087	107	114672	46.950	ug/l	99
64) Tetrachloroethene	10.721	164	128933	43.883	ug/l	97
65) Chlorobenzene	11.514	112	355185	45.626	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	136737	46.585	ug/l	98
67) Ethyl Benzene	11.593	91	630817	44.881	ug/l	99
68) m/p-Xylenes	11.703	106	483584	90.131	ug/l	97
69) o-Xylene	12.026	106	236750	45.304	ug/l	98
70) Styrene	12.044	104	401708	45.608	ug/l	98
71) Bromoform	12.209	173	95626	48.064	ug/l #	99
73) Isopropylbenzene	12.331	105	620510	43.256	ug/l	99
74) N-amyl acetate	12.142	43	210700	43.855	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	149043	45.560	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	112667m	48.692	ug/l	
77) Bromobenzene	12.611	156	147730	45.115	ug/l	96
78) n-propylbenzene	12.672	91	750263	43.403	ug/l	100
79) 2-Chlorotoluene	12.757	91	429851	43.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	523699	43.713	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	52606	44.019	ug/l	95
82) 4-Chlorotoluene	12.855	91	446838	43.576	ug/l	99
83) tert-Butylbenzene	13.074	119	461618	43.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	518444	44.096	ug/l	99
85) sec-Butylbenzene	13.251	105	684016	43.876	ug/l	100
86) p-Isopropyltoluene	13.367	119	565746	44.448	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	290048	45.512	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	290299	45.456	ug/l	99
89) n-Butylbenzene	13.696	91	537271	43.386	ug/l	96
90) Hexachloroethane	13.958	117	114342	43.735	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	266471	45.637	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27187	43.457	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	169593	45.755	ug/l	99
94) Hexachlorobutadiene	15.111	225	90559	44.460	ug/l	99
95) Naphthalene	15.233	128	398445	46.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	151358	45.948	ug/l	98

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

