

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013529.D
 Acq On : 28 Apr 2023 17:38
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/29/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 23:14:58 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	298212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	454315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154008	47.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.220%		
35) Dibromofluoromethane	7.716	113	141212	49.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.840%		
50) Toluene-d8	10.179	98	500750	49.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.477	95	184369	53.801	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	150468	53.074	ug/l	100
3) Chloromethane	2.113	50	183073	48.175	ug/l	100
4) Vinyl Chloride	2.253	62	182556	48.247	ug/l	98
5) Bromomethane	2.656	94	134019	44.446	ug/l	99
6) Chloroethane	2.796	64	119893	45.866	ug/l	99
7) Trichlorofluoromethane	3.125	101	285698	49.842	ug/l	95
8) Diethyl Ether	3.527	74	88359	45.267	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	158198	49.203	ug/l	96
10) Methyl Iodide	4.088	142	178931	44.308	ug/l	98
11) Tert butyl alcohol	4.997	59	62938	171.137	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	150870	48.679	ug/l	93
13) Acrolein	3.735	56	43782	149.730	ug/l	97
14) Allyl chloride	4.479	41	275675	47.937	ug/l	98
15) Acrylonitrile	5.167	53	235392	215.328	ug/l	99
16) Acetone	3.954	43	282036	219.076	ug/l	96
17) Carbon Disulfide	4.192	76	470502	46.735	ug/l	99
18) Methyl Acetate	4.479	43	173827	40.881	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	412260	46.075	ug/l	96
20) Methylene Chloride	4.716	84	195497	48.179	ug/l #	88
21) trans-1,2-Dichloroethene	5.216	96	169420	49.996	ug/l	93
22) Diisopropyl ether	6.119	45	572160	50.903	ug/l	96
23) Vinyl Acetate	6.058	43	1523731m	239.425	ug/l	
24) 1,1-Dichloroethane	6.015	63	318865	50.900	ug/l	99
25) 2-Butanone	6.984	43	348812	213.642	ug/l	93
26) 2,2-Dichloropropane	6.978	77	277892	51.479	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	190502	50.881	ug/l	96
28) Bromochloromethane	7.332	49	109759	49.373	ug/l #	81
29) Tetrahydrofuran	7.350	42	205412	202.114	ug/l	91
30) Chloroform	7.502	83	320955	51.530	ug/l	100
31) Cyclohexane	7.783	56	280955	48.002	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	288858	51.972	ug/l	97
36) 1,1-Dichloropropene	7.917	75	245266	51.719	ug/l	98
37) Ethyl Acetate	7.070	43	150388	42.140	ug/l	98
38) Carbon Tetrachloride	7.899	117	263972	53.108	ug/l	99
39) Methylcyclohexane	9.185	83	295421	52.841	ug/l	98
40) Benzene	8.161	78	692209	51.818	ug/l	99

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41) Methacrylonitrile	7.313	41	87056m	52.348	ug/l	
42) 1,2-Dichloroethane	8.234	62	220088	50.394	ug/l	99
43) Isopropyl Acetate	8.271	43	265984	44.156	ug/l	98
44) Trichloroethene	8.935	130	184242	51.850	ug/l	96
45) 1,2-Dichloropropane	9.216	63	182665	52.298	ug/l	99
46) Dibromomethane	9.307	93	102454	49.024	ug/l	95
47) Bromodichloromethane	9.496	83	246496	52.711	ug/l	99
48) Methyl methacrylate	9.295	41	129715	46.888	ug/l	92
49) 1,4-Dioxane	9.313	88	25568	856.618	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	754612	224.810	ug/l	96
52) Toluene	10.246	92	425356	52.913	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	253422	51.205	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	285621	51.288	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	136592	49.354	ug/l	95
56) Ethyl methacrylate	10.508	69	194057	50.541	ug/l	91
57) 1,3-Dichloropropane	10.788	76	240585	51.328	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	328051	227.846	ug/l	93
59) 2-Hexanone	10.831	43	562122	230.375	ug/l	96
60) Dibromochloromethane	10.983	129	168588	50.168	ug/l	99
61) 1,2-Dibromoethane	11.087	107	133895	49.208	ug/l	100
64) Tetrachloroethene	10.721	164	155602	49.388	ug/l	96
65) Chlorobenzene	11.514	112	457803	50.722	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	174530	51.703	ug/l	94
67) Ethyl Benzene	11.593	91	851809	53.744	ug/l	99
68) m/p-Xylenes	11.703	106	627570	104.158	ug/l	96
69) o-Xylene	12.026	106	301824	52.967	ug/l	94
70) Styrene	12.044	104	510831	53.615	ug/l	99
71) Bromoform	12.209	173	111194	47.028	ug/l	99
73) Isopropylbenzene	12.331	105	795814	53.006	ug/l	98
74) N-amyl acetate	12.142	43	252907	47.337	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	166247	45.302	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	125841m	47.009	ug/l	
77) Bromobenzene	12.611	156	189214	52.013	ug/l	94
78) n-propylbenzene	12.672	91	983773	53.198	ug/l	97
79) 2-Chlorotoluene	12.758	91	538375	52.133	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	653662	53.343	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	58182	44.459	ug/l	96
82) 4-Chlorotoluene	12.855	91	566090	52.593	ug/l	97
83) tert-Butylbenzene	13.075	119	570012	53.691	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	643048	53.975	ug/l	100
85) sec-Butylbenzene	13.251	105	846948	53.156	ug/l	98
86) p-Isopropyltoluene	13.367	119	692557	54.050	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	360552	52.022	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	358983	51.275	ug/l	99
89) n-Butylbenzene	13.696	91	690862	55.243	ug/l	98
90) Hexachloroethane	13.959	117	134871	50.013	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	324705	51.881	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29455	45.447	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	205864	55.170	ug/l	99
94) Hexachlorobutadiene	15.111	225	121250	55.833	ug/l	100
95) Naphthalene	15.239	128	417605	51.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	183224	55.092	ug/l	99

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

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