

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012662.D
 Acq On : 17 Feb 2023 19:36
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/18/2023
 Supervised By :Mahesh Dadoda 02/20/2023

Quant Time: Feb 17 22:50:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 18:08:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	168511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	164040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79750	54.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.820%			
35) Dibromofluoromethane	7.716	113	68898	56.143	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.280%			
50) Toluene-d8	10.179	98	276464	54.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.240%			
62) 4-Bromofluorobenzene	12.477	95	97212	54.562	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32439	39.451	ug/l	96
3) Chloromethane	2.113	50	33470	37.610	ug/l	94
4) Vinyl Chloride	2.253	62	46113	41.591	ug/l	100
5) Bromomethane	2.650	94	40363	49.862	ug/l	98
6) Chloroethane	2.790	64	35546	46.060	ug/l	100
7) Trichlorofluoromethane	3.125	101	105970	46.501	ug/l	94
8) Diethyl Ether	3.527	74	34824	51.534	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	55338	48.087	ug/l	98
10) Methyl Iodide	4.088	142	69077	46.302	ug/l	99
11) Tert butyl alcohol	4.954	59	34266	244.136	ug/l	99
12) 1,1-Dichloroethene	3.869	96	51621	45.399	ug/l	96
13) Acrolein	3.723	56	28764	168.461	ug/l	99
14) Allyl chloride	4.478	41	63735	45.972	ug/l	97
15) Acrylonitrile	5.161	53	87855	281.806	ug/l	99
16) Acetone	3.942	43	73197	209.388	ug/l	99
17) Carbon Disulfide	4.192	76	112372	38.101	ug/l	97
18) Methyl Acetate	4.472	43	43499	51.770	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	189321	56.900	ug/l	98
20) Methylene Chloride	4.716	84	68101	52.345	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	59671	48.119	ug/l	98
22) Diisopropyl ether	6.112	45	148660	52.735	ug/l	95
23) Vinyl Acetate	6.057	43	467370	275.016	ug/l	97
24) 1,1-Dichloroethane	6.015	63	101409	50.321	ug/l	99
25) 2-Butanone	6.984	43	97980	252.619	ug/l	95
26) 2,2-Dichloropropane	6.978	77	106918	48.288	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	74786	51.968	ug/l	98
28) Bromochloromethane	7.332	49	41987	57.317	ug/l	96
29) Tetrahydrofuran	7.344	42	60261	287.392	ug/l	96
30) Chloroform	7.502	83	129895	53.462	ug/l	100
31) Cyclohexane	7.783	56	70552	42.014	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	123494	52.378	ug/l	99
36) 1,1-Dichloropropene	7.917	75	79986	48.158	ug/l	98
37) Ethyl Acetate	7.076	43	40779	54.412	ug/l	98
38) Carbon Tetrachloride	7.899	117	115805	51.942	ug/l	97
39) Methylcyclohexane	9.185	83	93914	46.991	ug/l	98
40) Benzene	8.155	78	248587	50.674	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20253m	49.327	ug/l	
42) 1,2-Dichloroethane	8.234	62	89527	56.306	ug/l	100
43) Isopropyl Acetate	8.270	43	78784	56.698	ug/l	99
44) Trichloroethene	8.935	130	77752	52.067	ug/l	100
45) 1,2-Dichloropropane	9.215	63	55928	52.578	ug/l	98
46) Dibromomethane	9.301	93	39487	56.064	ug/l	98
47) Bromodichloromethane	9.496	83	101870	55.782	ug/l	99
48) Methyl methacrylate	9.289	41	36174	56.954	ug/l	94
49) 1,4-Dioxane	9.295	88	12156	1250.244	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	226855	302.595	ug/l	99
52) Toluene	10.240	92	176535	53.067	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	102157	55.514	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	107711	54.088	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	60429	58.717	ug/l	97
56) Ethyl methacrylate	10.508	69	77706	60.098	ug/l	96
57) 1,3-Dichloropropane	10.788	76	96033	57.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	174975	301.073	ug/l	96
59) 2-Hexanone	10.831	43	163722	288.977	ug/l	99
60) Dibromochloromethane	10.983	129	81473	59.389	ug/l	99
61) 1,2-Dibromoethane	11.087	107	55875	57.944	ug/l	97
64) Tetrachloroethene	10.721	164	95162	55.567	ug/l	96
65) Chlorobenzene	11.514	112	199846	51.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	83006	54.442	ug/l	98
67) Ethyl Benzene	11.593	91	347177	50.827	ug/l	99
68) m/p-Xylenes	11.703	106	277738	101.867	ug/l	99
69) o-Xylene	12.026	106	137126	52.811	ug/l	98
70) Styrene	12.044	104	236996	53.819	ug/l	99
71) Bromoform	12.209	173	56580	58.710	ug/l #	97
73) Isopropylbenzene	12.331	105	365926	48.017	ug/l	99
74) N-amyl acetate	12.142	43	71534	51.854	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	63143	51.242	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	54686m	51.965	ug/l	
77) Bromobenzene	12.605	156	92794	50.238	ug/l	98
78) n-propylbenzene	12.672	91	416183	47.447	ug/l	100
79) 2-Chlorotoluene	12.757	91	240832	48.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	319789	48.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	23395	50.132	ug/l	98
82) 4-Chlorotoluene	12.855	91	252940	48.424	ug/l	100
83) tert-Butylbenzene	13.074	119	285064	49.552	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	315915	48.941	ug/l	99
85) sec-Butylbenzene	13.251	105	402061	48.853	ug/l	99
86) p-Isopropyltoluene	13.367	119	354890	49.706	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	187086	50.906	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	184706	50.174	ug/l	99
89) n-Butylbenzene	13.696	91	295339	48.400	ug/l	99
90) Hexachloroethane	13.958	117	64496	49.214	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	173301	52.418	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13631	55.587	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	111561	54.459	ug/l	99
94) Hexachlorobutadiene	15.111	225	65563	51.519	ug/l	99
95) Naphthalene	15.233	128	236344	60.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	100356	56.595	ug/l	99

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

