

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010093.D
 Acq On : 19 Aug 2022 10:21
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 21 23:42:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Sun Aug 21 23:41:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	256300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	412531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	371607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12223	5.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.520%#		
35) Dibromofluoromethane	7.710	113	12077	5.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.400%#		
50) Toluene-d8	10.179	98	48243	5.508	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.020%#		
62) 4-Bromofluorobenzene	12.483	95	15987	5.142	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.280%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	12097	6.276	ug/l	99
3) Chloromethane	2.107	50	12089	5.580	ug/l	100
4) Vinyl Chloride	2.241	62	12863	5.474	ug/l	100
5) Bromomethane	2.643	94	10835	6.006	ug/l	98
6) Chloroethane	2.784	64	8050	5.355	ug/l	98
7) Trichlorofluoromethane	3.113	101	21639	5.422	ug/l	98
8) Diethyl Ether	3.521	74	6996	5.157	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	13113	5.291	ug/l	96
10) Methyl Iodide	4.082	142	13436	4.481	ug/l	97
11) Tert butyl alcohol	4.930	59	7736	33.418	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	12122	5.125	ug/l	95
13) Acrolein	3.723	56	3643	28.640	ug/l	97
14) Allyl chloride	4.472	41	16985	4.881	ug/l	99
15) Acrylonitrile	5.155	53	15819	24.418	ug/l	98
16) Acetone	3.942	43	15134	28.733	ug/l	96
17) Carbon Disulfide	4.186	76	38887	5.155	ug/l	99
18) Methyl Acetate	4.472	43	9065	5.612	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	27671	4.771	ug/l	100
20) Methylene Chloride	4.704	84	34292	7.932	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	13182	4.915	ug/l	95
22) Diisopropyl ether	6.106	45	33730	4.615	ug/l	94
23) Vinyl Acetate	6.051	43	97533	22.194	ug/l	99
24) 1,1-Dichloroethane	6.009	63	22702	5.119	ug/l	98
25) 2-Butanone	6.978	43	23832	28.151	ug/l	95
26) 2,2-Dichloropropane	6.972	77	23177	5.818	ug/l	91
27) cis-1,2-Dichloroethene	6.978	96	14908	5.028	ug/l	91
28) Bromochloromethane	7.332	49	7882	5.259	ug/l	100
29) Tetrahydrofuran	7.344	42	13272	24.775	ug/l	96
30) Chloroform	7.502	83	23703	5.103	ug/l	98
31) Cyclohexane	7.777	56	24226	5.584	ug/l #	78
32) 1,1,1-Trichloroethane	7.691	97	20139	4.990	ug/l	96
36) 1,1-Dichloropropene	7.911	75	18541	5.007	ug/l	99
37) Ethyl Acetate	7.063	43	9139	4.886	ug/l	97
38) Carbon Tetrachloride	7.892	117	19577	5.031	ug/l	100
39) Methylcyclohexane	9.179	83	21565	4.758	ug/l	96
40) Benzene	8.155	78	54015	4.949	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	4982m	2.271	ug/l	
42) 1,2-Dichloroethane	8.228	62	13773	4.915	ug/l	99
43) Isopropyl Acetate	8.270	43	15913	4.731	ug/l	98
44) Trichloroethene	8.935	130	15724	5.020	ug/l	98
45) 1,2-Dichloropropane	9.209	63	12584	4.800	ug/l	98
46) Dibromomethane	9.301	93	7770	5.064	ug/l	96
47) Bromodichloromethane	9.490	83	17281	4.837	ug/l	98
48) Methyl methacrylate	9.289	41	6879	4.601	ug/l	99
49) 1,4-Dioxane	9.295	88	1669	95.285	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	42487	23.371	ug/l	98
52) Toluene	10.240	92	33751	4.886	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	16873	4.665	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	20265	4.779	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	10982	4.966	ug/l	96
56) Ethyl methacrylate	10.508	69	12154	4.443	ug/l	98
57) 1,3-Dichloropropane	10.788	76	17724	4.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	28701	25.369	ug/l	98
59) 2-Hexanone	10.831	43	27624	22.279	ug/l	98
60) Dibromochloromethane	10.983	129	13404	4.981	ug/l	93
61) 1,2-Dibromoethane	11.087	107	10455	4.868	ug/l	97
64) Tetrachloroethene	10.715	164	14959	4.975	ug/l	93
65) Chlorobenzene	11.514	112	37875	5.063	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	13737	4.978	ug/l	98
67) Ethyl Benzene	11.593	91	61985	4.786	ug/l	100
68) m/p-Xylenes	11.697	106	47564	9.400	ug/l	99
69) o-Xylene	12.032	106	21920	4.678	ug/l	97
70) Styrene	12.044	104	36195	4.526	ug/l	99
71) Bromoform	12.209	173	8266	4.883	ug/l #	98
73) Isopropylbenzene	12.325	105	57864	4.700	ug/l	98
74) N-amyl acetate	12.142	43	12718	4.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	12912	5.201	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	8693m	3.061	ug/l	
77) Bromobenzene	12.605	156	15101	5.012	ug/l	95
78) n-propylbenzene	12.672	91	71850	4.743	ug/l	100
79) 2-Chlorotoluene	12.751	91	41842	4.892	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	48033	4.655	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4048	4.771	ug/l	94
82) 4-Chlorotoluene	12.855	91	43325	4.876	ug/l	98
83) tert-Butylbenzene	13.074	119	42108	4.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	48007	4.693	ug/l	99
85) sec-Butylbenzene	13.251	105	65596	4.805	ug/l	99
86) p-Isopropyltoluene	13.367	119	51982	4.631	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	30749	5.053	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	31957	5.224	ug/l	95
89) n-Butylbenzene	13.696	91	49852	4.721	ug/l	99
90) Hexachloroethane	13.958	117	12159	5.251	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	27420	5.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1961	5.186	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	14790	4.671	ug/l	99
94) Hexachlorobutadiene	15.111	225	9796	5.151	ug/l	99
95) Naphthalene	15.233	128	26419	4.373	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	13037	4.732	ug/l	98

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

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