

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010121.D
 Acq On : 19 Aug 2022 23:17
 Operator : KP/MD
 Sample : VY0819SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS02

Quant Time: Aug 22 02:48:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	179904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82647	56.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.180%			
35) Dibromofluoromethane	7.710	113	84541	51.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.520%			
50) Toluene-d8	10.173	98	301840	48.844	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.477	95	112058	50.752	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	26575	19.819	ug/l	95
3) Chloromethane	2.107	50	30636	20.307	ug/l	94
4) Vinyl Chloride	2.241	62	32713	19.906	ug/l	97
5) Bromomethane	2.637	94	31358	25.205	ug/l	96
6) Chloroethane	2.784	64	25273	24.097	ug/l	100
7) Trichlorofluoromethane	3.113	101	57728	20.728	ug/l	98
8) Diethyl Ether	3.521	74	22948	24.141	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.881	101	35907	20.769	ug/l	99
10) Methyl Iodide	4.076	142	42327	19.822	ug/l	98
11) Tert butyl alcohol	4.936	59	25412	169.847	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	34825	20.998	ug/l	93
13) Acrolein	3.716	56	12607	161.860	ug/l	97
14) Allyl chloride	4.466	41	56713	23.121	ug/l	98
15) Acrylonitrile	5.155	53	60542	132.488	ug/l	97
16) Acetone	3.936	43	46685	126.583	ug/l	97
17) Carbon Disulfide	4.180	76	111279	21.143	ug/l	99
18) Methyl Acetate	4.466	43	30952	27.392	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	98940	24.075	ug/l	97
20) Methylene Chloride	4.704	84	77039	34.099	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	40695	21.641	ug/l	96
22) Diisopropyl ether	6.112	45	129196	25.075	ug/l	98
23) Vinyl Acetate	6.051	43	399159	127.658	ug/l	99
24) 1,1-Dichloroethane	6.009	63	71413	23.001	ug/l	98
25) 2-Butanone	6.978	43	79823	134.550	ug/l	96
26) 2,2-Dichloropropane	6.966	77	56970	20.505	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	47115	22.646	ug/l	94
28) Bromochloromethane	7.325	49	23751	22.512	ug/l	95
29) Tetrahydrofuran	7.338	42	51402	135.486	ug/l	96
30) Chloroform	7.496	83	74842	23.051	ug/l	99
31) Cyclohexane	7.777	56	62557	20.720	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	63325	22.371	ug/l	99
36) 1,1-Dichloropropene	7.911	75	54688	20.775	ug/l	98
37) Ethyl Acetate	7.063	43	36415	27.247	ug/l	98
38) Carbon Tetrachloride	7.892	117	57512	20.832	ug/l	100
39) Methylcyclohexane	9.179	83	63702	19.624	ug/l	95
40) Benzene	8.155	78	171949	22.207	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	17942m	23.419	ug/l	
42) 1,2-Dichloroethane	8.228	62	48255	24.299	ug/l	100
43) Isopropyl Acetate	8.264	43	61654	25.554	ug/l	98
44) Trichloroethene	8.935	130	46152	20.794	ug/l	96
45) 1,2-Dichloropropane	9.209	63	43293	23.233	ug/l	97
46) Dibromomethane	9.301	93	25324	23.229	ug/l	99
47) Bromodichloromethane	9.490	83	58267	22.964	ug/l	97
48) Methyl methacrylate	9.289	41	25964	24.051	ug/l	94
49) 1,4-Dioxane	9.295	88	6187	489.978	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	169323	129.711	ug/l	99
52) Toluene	10.240	92	107718	21.942	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	57115	22.026	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	67098	22.182	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	37179	23.681	ug/l	98
56) Ethyl methacrylate	10.508	69	46220	23.343	ug/l	97
57) 1,3-Dichloropropane	10.788	76	60364	23.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	108603	137.508	ug/l	98
59) 2-Hexanone	10.831	43	115776	129.347	ug/l	97
60) Dibromochloromethane	10.983	129	42919	22.431	ug/l	100
61) 1,2-Dibromoethane	11.087	107	34963	22.882	ug/l	100
64) Tetrachloroethene	10.715	164	44985	20.163	ug/l	98
65) Chlorobenzene	11.514	112	116822	21.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	44861	21.830	ug/l	100
67) Ethyl Benzene	11.587	91	200911	20.740	ug/l	100
68) m/p-Xylenes	11.697	106	159714	42.276	ug/l	100
69) o-Xylene	12.026	106	73360	20.855	ug/l	99
70) Styrene	12.038	104	127427	21.228	ug/l	99
71) Bromoform	12.203	173	28676	22.669	ug/l #	100
73) Isopropylbenzene	12.325	105	193768	19.949	ug/l	100
74) N-amyl acetate	12.142	43	53763	22.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	43893	22.591	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	29294m	21.665	ug/l	
77) Bromobenzene	12.605	156	49487	20.945	ug/l	99
78) n-propylbenzene	12.666	91	242762	20.356	ug/l	99
79) 2-Chlorotoluene	12.751	91	137934	20.532	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	168618	20.749	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	13767	20.450	ug/l	95
82) 4-Chlorotoluene	12.849	91	142661	20.485	ug/l	98
83) tert-Butylbenzene	13.074	119	143424	20.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	166669	20.708	ug/l	100
85) sec-Butylbenzene	13.251	105	215224	20.036	ug/l	99
86) p-Isopropyltoluene	13.367	119	179827	20.309	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	99154	20.841	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	98152	20.604	ug/l	98
89) n-Butylbenzene	13.690	91	164649	19.756	ug/l	99
90) Hexachloroethane	13.958	117	36745	20.353	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	88954	21.064	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7049	23.731	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	52289	20.884	ug/l	100
94) Hexachlorobutadiene	15.105	225	31314	21.066	ug/l	99
95) Naphthalene	15.233	128	107371	22.140	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	46865	21.478	ug/l	99

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

