

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008859.D
 Acq On : 19 May 2022 11:45
 Operator : KP/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 19 16:57:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	136675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	223928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80238	63.282	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.560%			
35) Dibromofluoromethane	7.716	113	75100	55.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.860%			
50) Toluene-d8	10.179	98	312079	52.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.483	95	105249	49.458	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22412	23.030	ug/l	98
3) Chloromethane	2.113	50	30388	18.193	ug/l	100
4) Vinyl Chloride	2.253	62	47046	20.733	ug/l	93
5) Bromomethane	2.637	94	51026	30.925	ug/l	95
6) Chloroethane	2.790	64	34351	20.376	ug/l	96
7) Trichlorofluoromethane	3.125	101	43461	20.477	ug/l	94
8) Diethyl Ether	3.528	74	13344	22.035	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	27199	21.567	ug/l	92
10) Methyl Iodide	4.088	142	25702	18.151	ug/l	93
11) Tert butyl alcohol	4.948	59	12114	86.446	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	24104	20.784	ug/l	91
13) Acrolein	3.729	56	7873	113.569	ug/l	95
14) Allyl chloride	4.479	41	35727	20.943	ug/l #	87
15) Acrylonitrile	5.155	53	35775	87.118	ug/l	99
16) Acetone	3.936	43	27428	78.569	ug/l	94
17) Carbon Disulfide	4.192	76	70540	21.247	ug/l	100
18) Methyl Acetate	4.479	43	19877	19.190	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	69042	22.104	ug/l	94
20) Methylene Chloride	4.716	84	29657	18.585	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	29619	20.829	ug/l	83
22) Diisopropyl ether	6.112	45	82542	22.848	ug/l	98
23) Vinyl Acetate	6.058	43	262878	103.202	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	51170	21.346	ug/l	97
25) 2-Butanone	6.978	43	46707	87.778	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	46441	20.383	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	33546	21.270	ug/l	87
28) Bromochloromethane	7.332	49	20780	22.865	ug/l #	90
29) Tetrahydrofuran	7.344	42	31122	87.800	ug/l #	83
30) Chloroform	7.509	83	55204	21.479	ug/l	96
31) Cyclohexane	7.783	56	46091	21.235	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	50104	21.026	ug/l	98
36) 1,1-Dichloropropene	7.917	75	41475	19.287	ug/l	97
37) Ethyl Acetate	7.076	43	23154	18.068	ug/l	98
38) Carbon Tetrachloride	7.899	117	44365	19.250	ug/l	97
39) Methylcyclohexane	9.179	83	51745	20.290	ug/l	90
40) Benzene	8.161	78	122098	20.292	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	11815m	17.531	ug/l	
42) 1,2-Dichloroethane	8.234	62	36756	20.810	ug/l	94
43) Isopropyl Acetate	8.271	43	42313	19.834	ug/l #	92
44) Trichloroethene	8.941	130	32127	19.628	ug/l	98
45) 1,2-Dichloropropane	9.216	63	31133	21.771	ug/l	95
46) Dibromomethane	9.301	93	18939	20.155	ug/l	93
47) Bromodichloromethane	9.496	83	44272	21.252	ug/l	98
48) Methyl methacrylate	9.295	41	19058	20.345	ug/l #	85
49) 1,4-Dioxane	9.301	88	5015	355.311	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	115553	91.753	ug/l	93
52) Toluene	10.246	92	83845	20.506	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	45798	21.166	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	49372	21.160	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	26843	21.007	ug/l	97
56) Ethyl methacrylate	10.508	69	32006	20.645	ug/l	89
57) 1,3-Dichloropropane	10.788	76	44646	21.249	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	78713	99.565	ug/l	95
59) 2-Hexanone	10.831	43	80107	89.023	ug/l	91
60) Dibromochloromethane	10.983	129	31519	20.547	ug/l	100
61) 1,2-Dibromoethane	11.093	107	26132	20.507	ug/l	98
64) Tetrachloroethene	10.721	164	28622	19.968	ug/l	99
65) Chlorobenzene	11.520	112	90069	19.874	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	33671	20.336	ug/l	96
67) Ethyl Benzene	11.593	91	160351	19.812	ug/l	95
68) m/p-Xylenes	11.703	106	129287	40.098	ug/l	92
69) o-Xylene	12.032	106	60751	20.392	ug/l	90
70) Styrene	12.044	104	99310	19.692	ug/l	95
71) Bromoform	12.209	173	20997	18.681	ug/l #	98
73) Isopropylbenzene	12.331	105	160546	19.164	ug/l	100
74) N-amyl acetate	12.148	43	38823	19.415	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	34905	18.742	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26814m	19.004	ug/l	
77) Bromobenzene	12.611	156	38253	19.707	ug/l	94
78) n-propylbenzene	12.672	91	201576	19.587	ug/l	99
79) 2-Chlorotoluene	12.758	91	108333	19.435	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	137042	20.261	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11464	17.771	ug/l	88
82) 4-Chlorotoluene	12.855	91	115454	19.606	ug/l	95
83) tert-Butylbenzene	13.075	119	120731	19.848	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	139137	20.779	ug/l	98
85) sec-Butylbenzene	13.257	105	191985	20.229	ug/l	99
86) p-Isopropyltoluene	13.373	119	156439	20.216	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	81385	19.954	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	83615	20.726	ug/l	97
89) n-Butylbenzene	13.696	91	148133	20.167	ug/l	100
90) Hexachloroethane	13.965	117	30696	20.980	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	71812	20.134	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5507	17.294	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	40180	20.629	ug/l	100
94) Hexachlorobutadiene	15.117	225	22234	19.838	ug/l	95
95) Naphthalene	15.239	128	81285	18.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35637	20.828	ug/l	99

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

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