

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008939.D
 Acq On : 21 May 2022 11:08
 Operator : KP/MD
 Sample : VY0521SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0521SBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 21 21:27:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	131735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	217777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	209351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	52410	38.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.320%
35) Dibromofluoromethane	7.716	113	55691	41.124	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.240%
50) Toluene-d8	10.179	98	179983	36.026	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.060%
62) 4-Bromofluorobenzene	12.483	95	83747	41.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.120%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	24013	19.930	ug/l	98
3) Chloromethane	2.113	50	35961	20.833	ug/l	95
4) Vinyl Chloride	2.247	62	53961	21.101	ug/l	100
5) Bromomethane	2.631	94	56927	22.709	ug/l	96
6) Chloroethane	2.784	64	38190	21.079	ug/l	98
7) Trichlorofluoromethane	3.119	101	46479	21.402	ug/l	98
8) Diethyl Ether	3.527	74	14354	21.137	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	27682	20.739	ug/l	95
10) Methyl Iodide	4.082	142	24480	17.761	ug/l	92
11) Tert butyl alcohol	4.954	59	12751	92.720	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	25610	20.669	ug/l #	80
13) Acrolein	3.728	56	6237	137.785	ug/l	99
14) Allyl chloride	4.478	41	37449	20.055	ug/l #	88
15) Acrylonitrile	5.167	53	36822	96.844	ug/l	96
16) Acetone	3.942	43	27749	98.325	ug/l	97
17) Carbon Disulfide	4.192	76	80174	19.806	ug/l	100
18) Methyl Acetate	4.472	43	16845	19.168	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	72763	19.565	ug/l	93
20) Methylene Chloride	4.716	84	32010	14.589	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	31256	19.653	ug/l	85
22) Diisopropyl ether	6.118	45	87746	19.559	ug/l #	95
23) Vinyl Acetate	6.057	43	286715	96.618	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	54311	20.241	ug/l	98
25) 2-Butanone	6.984	43	48245	95.710	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	50543	20.449	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	34912	19.473	ug/l	87
28) Bromochloromethane	7.331	49	17811	19.339	ug/l #	88
29) Tetrahydrofuran	7.350	42	32700	95.501	ug/l #	84
30) Chloroform	7.502	83	57086	19.709	ug/l	98
31) Cyclohexane	7.783	56	52239	19.695	ug/l	88
32) 1,1,1-Trichloroethane	7.703	97	54588	20.773	ug/l	97
36) 1,1-Dichloropropene	7.917	75	45082	19.561	ug/l	97
37) Ethyl Acetate	7.069	43	21954	18.364	ug/l #	94
38) Carbon Tetrachloride	7.892	117	47359	19.644	ug/l	93
39) Methylcyclohexane	9.179	83	58303	19.599	ug/l	89
40) Benzene	8.161	78	129936	19.552	ug/l	99

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41) Methacrylonitrile	7.307	41	12172m	19.731	ug/l	91
42) 1,2-Dichloroethane	8.234	62	38398	19.677	ug/l	93
43) Isopropyl Acetate	8.270	43	43842	19.723	ug/l	96
44) Trichloroethene	8.941	130	34730	19.737	ug/l	97
45) 1,2-Dichloropropane	9.215	63	31464	19.718	ug/l	93
46) Dibromomethane	9.307	93	19959	19.671	ug/l	99
47) Bromodichloromethane	9.496	83	46730	20.152	ug/l	83
48) Methyl methacrylate	9.295	41	18711	18.851	ug/l #	86
49) 1,4-Dioxane	9.301	88	5285	389.645	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	116160	94.422	ug/l	94
52) Toluene	10.246	92	90373	19.459	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	47886	19.446	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	52334	19.769	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	27226	19.179	ug/l	85
56) Ethyl methacrylate	10.514	69	33853	18.653	ug/l #	98
57) 1,3-Dichloropropane	10.788	76	45505	19.651	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.782	63	75084	95.627	ug/l	90
59) 2-Hexanone	10.831	43	79123	93.937	ug/l	98
60) Dibromochloromethane	10.983	129	32192	18.708	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25858	18.382	ug/l	93
64) Tetrachloroethene	10.721	164	30515	20.026	ug/l	95
65) Chlorobenzene	11.520	112	94841	19.738	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	34616	19.674	ug/l	98
67) Ethyl Benzene	11.593	91	169982	19.630	ug/l	92
68) m/p-Xylenes	11.703	106	137655	39.159	ug/l	91
69) o-Xylene	12.026	106	62906	19.270	ug/l	95
70) Styrene	12.044	104	106291	18.934	ug/l	95
71) Bromoform	12.209	173	21592	18.512	ug/l #	99
73) Isopropylbenzene	12.331	105	171066	19.686	ug/l	98
74) N-amyl acetate	12.142	43	41184	20.542	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	33907	18.942	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	25131m	20.137	ug/l	88
77) Bromobenzene	12.611	156	38648	19.186	ug/l	97
78) n-propylbenzene	12.672	91	217553	21.669	ug/l	99
79) 2-Chlorotoluene	12.757	91	115617	19.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	147165	20.205	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	11438	18.812	ug/l	97
82) 4-Chlorotoluene	12.855	91	123885	20.001	ug/l	95
83) tert-Butylbenzene	13.074	119	127267	19.695	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	146607	20.277	ug/l	100
85) sec-Butylbenzene	13.251	105	203845	20.618	ug/l	98
86) p-Isopropyltoluene	13.373	119	168442	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	84939	19.767	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	86975	20.147	ug/l	99
89) n-Butylbenzene	13.696	91	159878	21.197	ug/l	86
90) Hexachloroethane	13.958	117	31837	20.606	ug/l	72
91) 1,2-Dichlorobenzene	13.739	146	74712	19.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4862	17.495	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	39783	19.111	ug/l	99
94) Hexachlorobutadiene	15.111	225	22450	19.787	ug/l	99
95) Naphthalene	15.239	128	78240	18.709	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34167	18.888	ug/l	100

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

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