

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008921.D
 Acq On : 20 May 2022 22:53
 Operator : KP/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 20 23:56:35 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	141094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	235254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	229238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60992	42.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.000%		
35) Dibromofluoromethane	7.716	113	65435	44.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.460%		
50) Toluene-d8	10.179	98	212025	39.287	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.580%		
62) 4-Bromofluorobenzene	12.483	95	102273	46.978	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25973	20.127	ug/l	99
3) Chloromethane	2.113	50	37527	20.298	ug/l	97
4) Vinyl Chloride	2.247	62	54247	19.805	ug/l	99
5) Bromomethane	2.631	94	63949	23.818	ug/l	99
6) Chloroethane	2.784	64	38420	19.800	ug/l	99
7) Trichlorofluoromethane	3.119	101	49239	21.169	ug/l	94
8) Diethyl Ether	3.528	74	15817	21.747	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	29788	20.837	ug/l	94
10) Methyl Iodide	4.088	142	27819	18.845	ug/l	91
11) Tert butyl alcohol	4.942	59	16545	112.328	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	28106	21.179	ug/l	82
13) Acrolein	3.729	56	7466	153.995	ug/l	95
14) Allyl chloride	4.479	41	41161	20.581	ug/l #	87
15) Acrylonitrile	5.161	53	43867	107.720	ug/l	98
16) Acetone	3.942	43	33473	110.739	ug/l	96
17) Carbon Disulfide	4.186	76	88841	20.491	ug/l	97
18) Methyl Acetate	4.473	43	20882	22.185	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	84095	21.112	ug/l	99
20) Methylene Chloride	4.710	84	45114	22.236	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	34119	20.030	ug/l #	81
22) Diisopropyl ether	6.112	45	96886	20.164	ug/l #	94
23) Vinyl Acetate	6.058	43	320585	100.866	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	59076	20.556	ug/l	97
25) 2-Butanone	6.984	43	56324	104.326	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	52277	19.747	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	38944	20.282	ug/l	88
28) Bromochloromethane	7.332	49	20473	20.755	ug/l	89
29) Tetrahydrofuran	7.344	42	37201	101.439	ug/l #	83
30) Chloroform	7.502	83	63390	20.434	ug/l	99
31) Cyclohexane	7.777	56	55028	19.371	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	56965	20.240	ug/l	98
36) 1,1-Dichloropropene	7.917	75	48148	19.340	ug/l	98
37) Ethyl Acetate	7.070	43	25589	19.815	ug/l #	95
38) Carbon Tetrachloride	7.899	117	49788	19.117	ug/l	97
39) Methylcyclohexane	9.179	83	61877	19.255	ug/l	88
40) Benzene	8.161	78	141105	19.655	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	13549m	20.331	ug/l	
42) 1,2-Dichloroethane	8.234	62	42764	20.286	ug/l	93
43) Isopropyl Acetate	8.271	43	49390	20.568	ug/l #	91
44) Trichloroethene	8.935	130	38571	20.291	ug/l	100
45) 1,2-Dichloropropane	9.209	63	34779	20.176	ug/l	97
46) Dibromomethane	9.307	93	22622	20.639	ug/l	93
47) Bromodichloromethane	9.496	83	51313	20.484	ug/l	94
48) Methyl methacrylate	9.289	41	22114	20.624	ug/l #	81
49) 1,4-Dioxane	9.301	88	5779	394.413	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	136894	103.010	ug/l	92
52) Toluene	10.240	92	99381	19.809	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	52555	19.757	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	57474	20.098	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	30179	19.680	ug/l	99
56) Ethyl methacrylate	10.508	69	38179	19.474	ug/l	87
57) 1,3-Dichloropropane	10.788	76	51082	20.421	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	82980	97.832	ug/l	96
59) 2-Hexanone	10.831	43	95488	104.944	ug/l	91
60) Dibromochloromethane	10.984	129	36776	19.784	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30438	20.031	ug/l	99
64) Tetrachloroethene	10.721	164	33767	20.237	ug/l	98
65) Chlorobenzene	11.514	112	106628	20.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	38070	19.760	ug/l	97
67) Ethyl Benzene	11.593	91	185313	19.544	ug/l	99
68) m/p-Xylenes	11.703	106	152521	39.624	ug/l	91
69) o-Xylene	12.026	106	71212	19.922	ug/l	89
70) Styrene	12.044	104	118441	19.268	ug/l	94
71) Bromoform	12.209	173	24396	19.102	ug/l #	98
73) Isopropylbenzene	12.331	105	186800	19.754	ug/l	100
74) N-amyl acetate	12.142	43	46246	21.197	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	40746	20.917	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	29331m	21.598	ug/l	
77) Bromobenzene	12.605	156	43964	20.056	ug/l	95
78) n-propylbenzene	12.672	91	232592	21.289	ug/l	99
79) 2-Chlorotoluene	12.758	91	127903	20.296	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	159746	20.155	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13388	20.234	ug/l	86
82) 4-Chlorotoluene	12.855	91	135901	20.162	ug/l	95
83) tert-Butylbenzene	13.075	119	140042	19.915	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	159997	20.335	ug/l	97
85) sec-Butylbenzene	13.251	105	220310	20.477	ug/l	100
86) p-Isopropyltoluene	13.367	119	184003	20.509	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	95494	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	95143	20.253	ug/l	100
89) n-Butylbenzene	13.696	91	173612	21.152	ug/l	99
90) Hexachloroethane	13.959	117	34524	20.534	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	84394	20.446	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6068	20.064	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	45274	19.986	ug/l	98
94) Hexachlorobutadiene	15.111	225	25095	20.325	ug/l	98
95) Naphthalene	15.239	128	95302	20.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	39994	20.317	ug/l	98

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

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