

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008561.D
 Acq On : 29 Apr 2022 15:59
 Operator : KP/MD
 Sample : VY0429SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS03

Quant Time: Apr 30 00:38:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	150826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57995	32.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 65.360%			
35) Dibromofluoromethane	7.716	113	84386	77.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 155.240%#			
50) Toluene-d8	10.179	98	222361	51.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.520%			
62) 4-Bromofluorobenzene	12.483	95	105744	72.229	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 144.460%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16650	12.156	ug/l	97
3) Chloromethane	2.113	50	30180	14.003	ug/l	97
4) Vinyl Chloride	2.253	62	40974	14.631	ug/l	98
5) Bromomethane	2.644	94	37785	14.511	ug/l	98
6) Chloroethane	2.790	64	27967	15.011	ug/l	97
7) Trichlorofluoromethane	3.125	101	62466	21.532	ug/l	95
8) Diethyl Ether	3.527	74	18655	18.683	ug/l	66
9) 1,1,2-Trichlorotrifluo...	3.899	101	33015	19.117	ug/l	94
10) Methyl Iodide	4.088	142	38188	17.907	ug/l	88
11) Tert butyl alcohol	4.948	59	15193	66.617	ug/l	97
12) 1,1-Dichloroethene	3.875	96	30700	18.830	ug/l #	74
13) Acrolein	3.729	56	13689	72.451	ug/l	94
14) Allyl chloride	4.479	41	36612	17.204	ug/l #	88
15) Acrylonitrile	5.167	53	37162	72.792	ug/l	99
16) Acetone	3.942	43	27386	66.253	ug/l #	88
17) Carbon Disulfide	4.192	76	86671	17.583	ug/l	99
18) Methyl Acetate	4.479	43	17775	15.334	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	84058	16.294	ug/l	95
20) Methylene Chloride	4.716	84	49551	19.256	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	37770	18.991	ug/l #	76
22) Diisopropyl ether	6.119	45	82511	16.055	ug/l #	91
23) Vinyl Acetate	6.058	43	254092	72.116	ug/l #	82
24) 1,1-Dichloroethane	6.021	63	55458	17.336	ug/l	96
25) 2-Butanone	6.990	43	43552	68.105	ug/l #	71
26) 2,2-Dichloropropane	6.984	77	54721	18.469	ug/l	91
27) cis-1,2-Dichloroethene	6.990	96	42567	18.711	ug/l	77
28) Bromochloromethane	7.338	49	18011	13.958	ug/l #	45
29) Tetrahydrofuran	7.344	42	28794	69.909	ug/l #	68
30) Chloroform	7.508	83	64536	18.363	ug/l	97
31) Cyclohexane	7.789	56	50115	17.178	ug/l #	72
32) 1,1,1-Trichloroethane	7.704	97	60705	19.727	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	48637	28.123	ug/l	94
37) Ethyl Acetate	7.076	43	21290	22.259	ug/l #	89
38) Carbon Tetrachloride	7.899	117	54965	30.589	ug/l	98
39) Methylcyclohexane	9.185	83	44785	20.225	ug/l #	85
40) Benzene	8.161	78	101849	20.186	ug/l	96

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41) Methacrylonitrile	7.313	41	8019m	17.289	ug/l	
42) 1,2-Dichloroethane	8.234	62	30218	19.893	ug/l	91
43) Isopropyl Acetate	8.277	43	31826	18.093	ug/l #	88
44) Trichloroethene	8.941	130	27685	19.917	ug/l	100
45) 1,2-Dichloropropane	9.216	63	24014	19.820	ug/l	93
46) Dibromomethane	9.307	93	15611	18.390	ug/l	93
47) Bromodichloromethane	9.496	83	36011	19.984	ug/l	99
48) Methyl methacrylate	9.289	41	13422	17.946	ug/l #	77
49) 1,4-Dioxane	9.301	88	3515	328.377	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	83949	90.721	ug/l #	87
52) Toluene	10.246	92	67366	20.189	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	36686	18.984	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	41403	19.334	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	30895	26.666	ug/l	93
56) Ethyl methacrylate	10.508	69	27175	18.166	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	46909	24.803	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	67139	81.891	ug/l	91
59) 2-Hexanone	10.831	43	68010	106.802	ug/l	79
60) Dibromochloromethane	10.983	129	38923	29.241	ug/l	100
61) 1,2-Dibromoethane	11.087	107	30392	26.522	ug/l	99
64) Tetrachloroethene	10.721	164	39727	23.031	ug/l	99
65) Chlorobenzene	11.514	112	105358	20.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40191	20.698	ug/l	99
67) Ethyl Benzene	11.593	91	175851	19.266	ug/l	94
68) m/p-Xylenes	11.703	106	145014	39.663	ug/l	88
69) o-Xylene	12.032	106	69841	19.842	ug/l	87
70) Styrene	12.044	104	113349	19.109	ug/l	92
71) Bromoform	12.209	173	24595	20.211	ug/l #	99
73) Isopropylbenzene	12.331	105	184097	20.513	ug/l	99
74) N-amyl acetate	12.142	43	32873	14.824	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.587	83	33454	16.683	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29317m	19.138	ug/l	
77) Bromobenzene	12.611	156	47206	21.567	ug/l	81
78) n-propylbenzene	12.672	91	210829	19.585	ug/l	95
79) 2-Chlorotoluene	12.758	91	116026	19.150	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	149605	20.083	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	10964	16.604	ug/l #	81
82) 4-Chlorotoluene	12.855	91	119551	19.042	ug/l	91
83) tert-Butylbenzene	13.075	119	137210	21.218	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	148711	20.120	ug/l	95
85) sec-Butylbenzene	13.257	105	199135	20.404	ug/l	96
86) p-Isopropyltoluene	13.373	119	169974	20.796	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	89872	20.509	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	89723	20.670	ug/l	98
89) n-Butylbenzene	13.696	91	147264	19.852	ug/l	97
90) Hexachloroethane	13.965	117	31229	21.252	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	79665	20.446	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3559	11.810	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	29682	13.686	ug/l	98
94) Hexachlorobutadiene	15.111	225	15527	14.673	ug/l	98
95) Naphthalene	15.239	128	60619	12.329	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	25716	13.546	ug/l	98

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

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