

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051122\
 Data File : VY008727.D
 Acq On : 12 May 2022 00:10
 Operator : KP/MD
 Sample : VY0511SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS03

Quant Time: May 12 09:22:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	87596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	154350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	151724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53555	71.352	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.700%			
35) Dibromofluoromethane	7.716	113	49416	51.953	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.900%			
50) Toluene-d8	10.179	98	173181	51.667	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.477	95	60104	49.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7934	17.330	ug/l	98
3) Chloromethane	2.113	50	22748	40.359	ug/l	98
4) Vinyl Chloride	2.260	62	38507	53.811	ug/l	99
5) Bromomethane	2.656	94	36132	62.829	ug/l	97
6) Chloroethane	2.796	64	28376	57.793	ug/l	96
7) Trichlorofluoromethane	3.125	101	21087	24.354	ug/l	97
8) Diethyl Ether	3.522	74	13587	24.804	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.900	101	20958	23.654	ug/l	94
10) Methyl Iodide	4.089	142	32276	21.950	ug/l	92
11) Tert butyl alcohol	4.948	59	11603	175.425	ug/l	96
12) 1,1-Dichloroethene	3.869	96	20743	22.622	ug/l	90
13) Acrolein	3.723	56	10104	136.323	ug/l	98
14) Allyl chloride	4.473	41	29248	24.657	ug/l #	87
15) Acrylonitrile	5.149	53	37203	151.561	ug/l	97
16) Acetone	3.942	43	28675	161.934	ug/l #	89
17) Carbon Disulfide	4.192	76	58311	23.978	ug/l	99
18) Methyl Acetate	4.466	43	19363	36.427	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	46905	27.749	ug/l	97
20) Methylene Chloride	4.710	84	32685	30.394	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	24254	23.534	ug/l	87
22) Diisopropyl ether	6.113	45	73014	28.434	ug/l #	96
23) Vinyl Acetate	6.058	43	252029	155.386	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	44390	26.924	ug/l	96
25) 2-Butanone	6.984	43	46006	158.050	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	28300	25.676	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	28711	24.643	ug/l	85
28) Bromochloromethane	7.332	49	18256	31.224	ug/l #	89
29) Tetrahydrofuran	7.344	42	30904	158.857	ug/l #	82
30) Chloroform	7.503	83	47972	27.513	ug/l	99
31) Cyclohexane	7.783	56	36941	24.880	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	37979	26.578	ug/l	98
36) 1,1-Dichloropropene	7.917	75	34672	22.687	ug/l	97
37) Ethyl Acetate	7.070	43	21351	28.098	ug/l #	91
38) Carbon Tetrachloride	7.899	117	34714	22.458	ug/l	97
39) Methylcyclohexane	9.179	83	42082	21.291	ug/l #	86
40) Benzene	8.161	78	102531	23.092	ug/l	96

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41) Methacrylonitrile	7.307	41	10094m	24.484	ug/l	
42) 1,2-Dichloroethane	8.234	62	32600	28.323	ug/l	93
43) Isopropyl Acetate	8.271	43	40018	28.990	ug/l #	92
44) Trichloroethene	8.935	130	26567	20.502	ug/l	97
45) 1,2-Dichloropropane	9.210	63	26402	24.371	ug/l	99
46) Dibromomethane	9.307	93	17265	25.463	ug/l	93
47) Bromodichloromethane	9.496	83	38285	25.287	ug/l	93
48) Methyl methacrylate	9.289	41	16988	28.271	ug/l #	81
49) 1,4-Dioxane	9.301	88	4165	507.973	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	110068	152.456	ug/l	90
52) Toluene	10.246	92	67480	23.344	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	39911	24.531	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	42397	22.835	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	23951	24.770	ug/l	96
56) Ethyl methacrylate	10.508	69	31022	25.353	ug/l #	84
57) 1,3-Dichloropropane	10.789	76	39161	24.759	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	76391	126.088	ug/l	96
59) 2-Hexanone	10.831	43	75091	151.859	ug/l	87
60) Dibromochloromethane	10.984	129	27196	23.162	ug/l	99
61) 1,2-Dibromoethane	11.087	107	23770	24.946	ug/l	99
64) Tetrachloroethene	10.715	164	25255	21.356	ug/l	95
65) Chlorobenzene	11.514	112	71181	20.972	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	27484	21.805	ug/l	96
67) Ethyl Benzene	11.593	91	125225	21.470	ug/l	94
68) m/p-Xylenes	11.703	106	97916	41.958	ug/l	93
69) o-Xylene	12.026	106	46529	21.017	ug/l	91
70) Styrene	12.044	104	78912	21.467	ug/l	95
71) Bromoform	12.203	173	28557	35.153	ug/l #	99
73) Isopropylbenzene	12.331	105	121045	21.658	ug/l	99
74) N-amyl acetate	12.142	43	40546	32.310	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	29739	25.422	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	21425m	25.981	ug/l	
77) Bromobenzene	12.605	156	28612	20.461	ug/l	98
78) n-propylbenzene	12.672	91	146056	21.980	ug/l	98
79) 2-Chlorotoluene	12.758	91	80266	21.834	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	97783	21.602	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10151	24.490	ug/l #	84
82) 4-Chlorotoluene	12.855	91	83152	21.812	ug/l	97
83) tert-Butylbenzene	13.075	119	86285	21.248	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	97926	21.906	ug/l	97
85) sec-Butylbenzene	13.252	105	131971	21.988	ug/l	98
86) p-Isopropyltoluene	13.367	119	106927	21.439	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	56781	20.991	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	56038	20.894	ug/l	99
89) n-Butylbenzene	13.697	91	140762	30.839	ug/l	98
90) Hexachloroethane	13.959	117	32065	33.113	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	86885	36.213	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6840	39.506	ug/l	63
93) 1,2,4-Trichlorobenzene	15.007	180	27040	17.642	ug/l	99
94) Hexachlorobutadiene	15.111	225	13649	16.251	ug/l	95
95) Naphthalene	15.233	128	67396	21.493	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	25376	18.787	ug/l	99

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

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