

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008888.D
 Acq On : 20 May 2022 00:17
 Operator : KP/MD
 Sample : VY0519SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS02

Manual Integrations
 APPROVED

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

Quant Time: May 20 02:56:50 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	129457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	220338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67576	56.267	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.540%			
35) Dibromofluoromethane	7.716	113	63941	49.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.179	98	254856	44.883	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.760%			
62) 4-Bromofluorobenzene	12.483	95	85888	42.612	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	21095	22.841	ug/l	98
3) Chloromethane	2.113	50	29954	19.446	ug/l	99
4) Vinyl Chloride	2.253	62	43554	20.051	ug/l	97
5) Bromomethane	2.637	94	49779	31.937	ug/l	99
6) Chloroethane	2.790	64	32736	20.547	ug/l	97
7) Trichlorofluoromethane	3.125	101	40438	20.006	ug/l	93
8) Diethyl Ether	3.534	74	13740	23.954	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	24610	20.378	ug/l	95
10) Methyl Iodide	4.088	142	25261	18.835	ug/l	92
11) Tert butyl alcohol	4.942	59	13183	99.320	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	22840	20.792	ug/l	86
13) Acrolein	3.729	56	7387	112.499	ug/l	95
14) Allyl chloride	4.479	41	33793	20.914	ug/l #	86
15) Acrylonitrile	5.155	53	38031	97.776	ug/l	99
16) Acetone	3.948	43	28769	90.232	ug/l	99
17) Carbon Disulfide	4.192	76	65742	20.831	ug/l	99
18) Methyl Acetate	4.479	43	21109	22.141	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	72696	24.572	ug/l	92
20) Methylene Chloride	4.710	84	35138	25.135	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	27518	20.431	ug/l	84
22) Diisopropyl ether	6.118	45	85773	25.066	ug/l #	95
23) Vinyl Acetate	6.058	43	270608	112.160	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	50485	22.235	ug/l	98
25) 2-Butanone	6.984	43	50074	99.352	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	41418	19.192	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	33590	22.485	ug/l	87
28) Bromochloromethane	7.338	49	19876	23.090	ug/l #	89
29) Tetrahydrofuran	7.344	42	32767	97.595	ug/l	89
30) Chloroform	7.508	83	54562	22.413	ug/l	96
31) Cyclohexane	7.783	56	43418	21.101	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	47765	21.162	ug/l	98
36) 1,1-Dichloropropene	7.917	75	39731	19.269	ug/l	99
37) Ethyl Acetate	7.076	43	23683	19.274	ug/l	96
38) Carbon Tetrachloride	7.899	117	42172	19.084	ug/l	96
39) Methylcyclohexane	9.185	83	48622	19.884	ug/l	91
40) Benzene	8.155	78	120231	20.839	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14006m	21.675	ug/l	
42) 1,2-Dichloroethane	8.240	62	37230	21.983	ug/l	93
43) Isopropyl Acetate	8.271	43	43063	21.053	ug/l #	91
44) Trichloroethene	8.935	130	31819	20.274	ug/l	95
45) 1,2-Dichloropropane	9.215	63	30212	22.034	ug/l	96
46) Dibromomethane	9.307	93	18826	20.895	ug/l	93
47) Bromodichloromethane	9.496	83	45058	22.558	ug/l	97
48) Methyl methacrylate	9.295	41	18739	20.864	ug/l #	81
49) 1,4-Dioxane	9.307	88	5102	376.997	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	119989	99.367	ug/l	92
52) Toluene	10.246	92	80916	20.640	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	44729	21.559	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	49293	22.033	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	26886	21.944	ug/l	95
56) Ethyl methacrylate	10.508	69	32525	21.880	ug/l	87
57) 1,3-Dichloropropane	10.788	76	44571	22.124	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	78816	103.977	ug/l	95
59) 2-Hexanone	10.831	43	83834	97.166	ug/l	92
60) Dibromochloromethane	10.983	129	31954	21.725	ug/l	100
61) 1,2-Dibromoethane	11.087	107	26023	21.298	ug/l	97
64) Tetrachloroethene	10.721	164	27170	19.445	ug/l	99
65) Chlorobenzene	11.514	112	89938	20.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	33775	20.926	ug/l	97
67) Ethyl Benzene	11.593	91	154062	19.527	ug/l	95
68) m/p-Xylenes	11.703	106	124255	39.533	ug/l	91
69) o-Xylene	12.032	106	59584	20.517	ug/l	90
70) Styrene	12.044	104	100689	20.481	ug/l	94
71) Bromoform	12.209	173	21075	19.235	ug/l #	98
73) Isopropylbenzene	12.331	105	154330	19.069	ug/l	99
74) N-amyl acetate	12.142	43	40967	21.207	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	35764	19.877	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	26160m	19.191	ug/l	
77) Bromobenzene	12.611	156	37513	20.004	ug/l	94
78) n-propylbenzene	12.672	91	191323	19.243	ug/l	99
79) 2-Chlorotoluene	12.758	91	106293	19.738	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	134449	20.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11444	18.363	ug/l #	82
82) 4-Chlorotoluene	12.855	91	112162	19.715	ug/l	94
83) tert-Butylbenzene	13.075	119	116498	19.824	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	131851	20.382	ug/l	97
85) sec-Butylbenzene	13.257	105	181563	19.803	ug/l	99
86) p-Isopropyltoluene	13.373	119	149032	19.935	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	77836	19.754	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	78658	20.182	ug/l	100
89) n-Butylbenzene	13.696	91	136874	19.288	ug/l	100
90) Hexachloroethane	13.965	117	29057	20.557	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	70756	20.534	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5845	18.999	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	37360	19.855	ug/l	98
94) Hexachlorobutadiene	15.111	225	21113	19.499	ug/l	99
95) Naphthalene	15.239	128	79492	18.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	33782	20.437	ug/l	99

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

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