

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
 Data File : VY007500.D
 Acq On : 15 Feb 2022 12:47
 Operator : SY/MD
 Sample : VY0215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0215SBS01

Quant Time: Feb 16 01:38:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	117742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	196106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	170516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	64258	49.432	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.722	113	62217	50.309	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.620%		
50) Toluene-d8	10.185	98	222978	47.471	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.483	95	76607	48.099	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	30258	23.231	ug/l	99
3) Chloromethane	2.119	50	31330	26.987	ug/l	98
4) Vinyl Chloride	2.259	62	32808	25.035	ug/l	98
5) Bromomethane	2.656	94	21911	26.780	ug/l	98
6) Chloroethane	2.802	64	19832	25.574	ug/l	94
7) Trichlorofluoromethane	3.137	101	57729	23.175	ug/l	95
8) Diethyl Ether	3.534	74	16275	22.607	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.912	101	31002	22.635	ug/l	95
10) Methyl Iodide	4.101	142	34975	20.686	ug/l	95
11) Tert butyl alcohol	4.966	59	12190	119.877	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	28290	22.128	ug/l	84
13) Acrolein	3.741	56	12933	126.651	ug/l	99
14) Allyl chloride	4.491	41	39349	21.898	ug/l #	92
15) Acrylonitrile	5.167	53	35057	110.613	ug/l	97
16) Acetone	3.960	43	33132	96.066	ug/l	91
17) Carbon Disulfide	4.204	76	84325	22.899	ug/l	100
18) Methyl Acetate	4.485	43	16945	21.691	ug/l #	86
19) Methyl tert-butyl Ether	5.228	73	78831	22.233	ug/l	93
20) Methylene Chloride	4.729	84	31112	22.010	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	30911	22.128	ug/l	85
22) Diisopropyl ether	6.131	45	80184	21.225	ug/l #	88
23) Vinyl Acetate	6.070	43	259282	107.578	ug/l #	88
24) 1,1-Dichloroethane	6.027	63	51065	21.628	ug/l	99
25) 2-Butanone	6.996	43	44293	103.725	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	51458	21.750	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	34306	22.033	ug/l	86
28) Bromochloromethane	7.344	49	18650	20.610	ug/l #	76
29) Tetrahydrofuran	7.356	42	27744	110.714	ug/l #	78
30) Chloroform	7.515	83	56703	22.248	ug/l	99
31) Cyclohexane	7.795	56	47889	20.832	ug/l #	83
32) 1,1,1-Trichloroethane	7.710	97	53400	22.001	ug/l	95
36) 1,1-Dichloropropene	7.923	75	42491	21.207	ug/l	97
37) Ethyl Acetate	7.082	43	19962	22.051	ug/l #	93
38) Carbon Tetrachloride	7.905	117	49027	21.534	ug/l	99
39) Methylcyclohexane	9.191	83	54617	20.996	ug/l	88
40) Benzene	8.167	78	116565	21.159	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11002m	18.721	ug/l	
42) 1,2-Dichloroethane	8.240	62	35959	21.360	ug/l	93
43) Isopropyl Acetate	8.277	43	37882	20.603	ug/l #	87
44) Trichloroethene	8.947	130	33940	21.717	ug/l	97
45) 1,2-Dichloropropane	9.222	63	27118	20.702	ug/l #	87
46) Dibromomethane	9.313	93	17111	21.036	ug/l	92
47) Bromodichloromethane	9.502	83	42860	21.697	ug/l	96
48) Methyl methacrylate	9.301	41	16178	19.855	ug/l #	77
49) 1,4-Dioxane	9.301	88	4041	461.483	ug/l #	75
51) 4-Methyl-2-Pentanone	10.075	43	98220	107.562	ug/l	90
52) Toluene	10.246	92	74699	21.146	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	43746	21.210	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	48116	20.907	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	23267	21.566	ug/l	94
56) Ethyl methacrylate	10.514	69	31090	21.430	ug/l #	80
57) 1,3-Dichloropropane	10.795	76	40626	21.866	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	76907	101.736	ug/l	90
59) 2-Hexanone	10.837	43	67687	102.672	ug/l	88
60) Dibromochloromethane	10.990	129	29044	21.349	ug/l	99
61) 1,2-Dibromoethane	11.093	107	23580	21.921	ug/l	99
64) Tetrachloroethene	10.721	164	29757	22.129	ug/l	93
65) Chlorobenzene	11.520	112	78989	21.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	30104	21.343	ug/l	97
67) Ethyl Benzene	11.599	91	148099	21.188	ug/l	98
68) m/p-Xylenes	11.709	106	112137	42.391	ug/l	98
69) o-Xylene	12.032	106	52788	21.090	ug/l	99
70) Styrene	12.050	104	87623	21.291	ug/l	98
71) Bromoform	12.209	173	17091	22.000	ug/l #	98
73) Isopropylbenzene	12.331	105	146024	21.292	ug/l	97
74) N-amyl acetate	12.148	43	32479	20.919	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	25614	21.805	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17998m	20.122	ug/l	
77) Bromobenzene	12.611	156	30912	20.990	ug/l	96
78) n-propylbenzene	12.672	91	172677	20.924	ug/l	100
79) 2-Chlorotoluene	12.758	91	96668	21.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	120212	21.161	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	8780	20.402	ug/l	90
82) 4-Chlorotoluene	12.855	91	97007	20.799	ug/l	99
83) tert-Butylbenzene	13.075	119	107205	21.592	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	117055	21.251	ug/l	99
85) sec-Butylbenzene	13.257	105	154910	21.166	ug/l	99
86) p-Isopropyltoluene	13.373	119	128338	21.288	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	61057	21.295	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	59729	20.994	ug/l	98
89) n-Butylbenzene	13.696	91	119722	20.883	ug/l	99
90) Hexachloroethane	13.965	117	24800	21.529	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	53676	21.256	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4430	22.213	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	31946	21.132	ug/l	97
94) Hexachlorobutadiene	15.117	225	18211	20.769	ug/l	97
95) Naphthalene	15.239	128	69063	20.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	27194	20.801	ug/l	97

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

