

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007894.D
 Acq On : 18 Mar 2022 11:41
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 00:10:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	294385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	495631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	441059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	214857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160870	47.927	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.860%		
35) Dibromofluoromethane	7.716	113	167480	48.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.240%		
50) Toluene-d8	10.179	98	563314	54.090	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.180%		
62) 4-Bromofluorobenzene	12.483	95	222581	44.556	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48537	22.707	ug/l	99
3) Chloromethane	2.113	50	63229	23.522	ug/l	98
4) Vinyl Chloride	2.253	62	75652	23.373	ug/l	100
5) Bromomethane	2.637	94	57267	26.294	ug/l	97
6) Chloroethane	2.784	64	52064	21.626	ug/l	98
7) Trichlorofluoromethane	3.125	101	113371	21.004	ug/l	93
8) Diethyl Ether	3.528	74	41283	20.609	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	70857	20.325	ug/l	93
10) Methyl Iodide	4.088	142	60737	18.848	ug/l	91
11) Tert butyl alcohol	4.954	59	39666	101.440	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	64737	20.252	ug/l	87
13) Acrolein	3.723	56	27688	117.562	ug/l	99
14) Allyl chloride	4.479	41	104599	19.454	ug/l #	90
15) Acrylonitrile	5.161	53	108810	101.925	ug/l	97
16) Acetone	3.948	43	89261	100.244	ug/l #	89
17) Carbon Disulfide	4.192	76	158946	23.184	ug/l	99
18) Methyl Acetate	4.472	43	54717	22.658	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	204037	20.349	ug/l	93
20) Methylene Chloride	4.710	84	87500	22.820	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	72321	20.209	ug/l	88
22) Diisopropyl ether	6.119	45	234090	20.237	ug/l	93
23) Vinyl Acetate	6.058	43	746577	103.047	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	133449	20.482	ug/l	96
25) 2-Butanone	6.984	43	141603	99.281	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	121812	20.172	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	88337	20.565	ug/l	87
28) Bromochloromethane	7.326	49	52748	20.497	ug/l #	86
29) Tetrahydrofuran	7.350	42	90843	99.404	ug/l #	85
30) Chloroform	7.502	83	138991	20.639	ug/l	99
31) Cyclohexane	7.783	56	117897	21.411	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	123472	20.356	ug/l	96
36) 1,1-Dichloropropene	7.917	75	101332	19.628	ug/l	96
37) Ethyl Acetate	7.070	43	61374	19.483	ug/l #	92
38) Carbon Tetrachloride	7.899	117	109876	19.917	ug/l	99
39) Methylcyclohexane	9.179	83	130813	21.018	ug/l	92
40) Benzene	8.161	78	298596	19.792	ug/l	96

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41) Methacrylonitrile	7.326	41	38415m	19.774	ug/l	
42) 1,2-Dichloroethane	8.234	62	87262	19.977	ug/l	92
43) Isopropyl Acetate	8.271	43	121469	20.001	ug/l #	92
44) Trichloroethene	8.935	130	84270	20.200	ug/l	98
45) 1,2-Dichloropropane	9.216	63	76109	19.483	ug/l	96
46) Dibromomethane	9.301	93	44894	19.645	ug/l	95
47) Bromodichloromethane	9.496	83	108925	19.730	ug/l	98
48) Methyl methacrylate	9.295	41	51702	19.138	ug/l #	85
49) 1,4-Dioxane	9.301	88	13327	411.782	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	309357	96.684	ug/l	90
52) Toluene	10.240	92	190531	19.665	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	117428	19.939	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	129479	19.715	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	65807	19.821	ug/l	99
56) Ethyl methacrylate	10.508	69	93660	19.650	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	110739	20.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	219402	93.835	ug/l	93
59) 2-Hexanone	10.831	43	217205	94.928	ug/l	86
60) Dibromochloromethane	10.983	129	78712	19.795	ug/l	100
61) 1,2-Dibromoethane	11.087	107	62151	19.350	ug/l	98
64) Tetrachloroethene	10.715	164	67670	19.716	ug/l	95
65) Chlorobenzene	11.514	112	209876	19.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	78657	19.773	ug/l	97
67) Ethyl Benzene	11.593	91	372169	19.774	ug/l	97
68) m/p-Xylenes	11.703	106	289183	39.390	ug/l	94
69) o-Xylene	12.032	106	140220	19.745	ug/l	94
70) Styrene	12.044	104	238668	19.990	ug/l	96
71) Bromoform	12.209	173	48810	19.156	ug/l #	98
73) Isopropylbenzene	12.331	105	370241	19.577	ug/l	99
74) N-amyl acetate	12.142	43	108380	19.424	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	79834	19.611	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	58520m	19.109	ug/l	
77) Bromobenzene	12.605	156	85508	19.786	ug/l	99
78) n-propylbenzene	12.672	91	449674	19.691	ug/l	99
79) 2-Chlorotoluene	12.758	91	253197	19.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	309211	19.882	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	27172	18.636	ug/l	87
82) 4-Chlorotoluene	12.855	91	260927	19.549	ug/l	100
83) tert-Butylbenzene	13.075	119	278939	20.042	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	299692	19.657	ug/l	98
85) sec-Butylbenzene	13.251	105	410427	19.677	ug/l	100
86) p-Isopropyltoluene	13.367	119	337570	19.936	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	167895	19.892	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	168196	19.883	ug/l	97
89) n-Butylbenzene	13.696	91	322361	19.837	ug/l	99
90) Hexachloroethane	13.959	117	67368	19.933	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	150793	19.862	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13020	18.590	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	90168	18.788	ug/l	97
94) Hexachlorobutadiene	15.111	225	47246	18.453	ug/l	99
95) Naphthalene	15.233	128	206046	19.243	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	79875	18.870	ug/l	98

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

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