

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020322\
 Data File : VY007369.D
 Acq On : 03 Feb 2022 11:20
 Operator : SY/MD
 Sample : VY0203SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/04/2022
 Supervised By :Semsettin Yesilyurt 02/07/2022

Quant Time: Feb 04 08:39:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	128240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76921	52.147	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.300%			
35) Dibromofluoromethane	7.716	113	70416	51.123	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.240%			
50) Toluene-d8	10.179	98	266370	52.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.477	95	89687	51.854	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35041	23.338	ug/l	99
3) Chloromethane	2.113	50	37836	21.049	ug/l	98
4) Vinyl Chloride	2.253	62	38208	21.580	ug/l	97
5) Bromomethane	2.644	94	25567	23.840	ug/l	92
6) Chloroethane	2.796	64	24135	22.196	ug/l	93
7) Trichlorofluoromethane	3.125	101	63525	22.141	ug/l	96
8) Diethyl Ether	3.528	74	18388	21.591	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	36200	22.403	ug/l	91
10) Methyl Iodide	4.088	142	36335	20.859	ug/l	97
11) Tert butyl alcohol	4.948	59	21950	100.794	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	32795	21.972	ug/l	90
13) Acrolein	3.735	56	20552	103.716	ug/l	99
14) Allyl chloride	4.485	41	50692	22.112	ug/l #	95
15) Acrylonitrile	5.161	53	42655	106.605	ug/l	99
16) Acetone	3.948	43	43176	90.125	ug/l	92
17) Carbon Disulfide	4.192	76	102339	21.840	ug/l	99
18) Methyl Acetate	4.479	43	19575	21.816	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	89890	21.376	ug/l	94
20) Methylene Chloride	4.716	84	34813	21.095	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	35781	21.669	ug/l	92
22) Diisopropyl ether	6.119	45	106408	22.152	ug/l #	94
23) Vinyl Acetate	6.058	43	338152	107.939	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	63712	21.961	ug/l	97
25) 2-Butanone	6.984	43	57763	99.797	ug/l	93
26) 2,2-Dichloropropane	6.984	77	59406	21.400	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	39455	21.632	ug/l	92
28) Bromochloromethane	7.338	49	24695	21.770	ug/l #	87
29) Tetrahydrofuran	7.350	42	36434	108.933	ug/l #	88
30) Chloroform	7.509	83	65609	21.739	ug/l	99
31) Cyclohexane	7.783	56	62379	21.672	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	60968	21.736	ug/l	96
36) 1,1-Dichloropropene	7.917	75	52573	21.833	ug/l	99
37) Ethyl Acetate	7.076	43	25317	21.148	ug/l	96
38) Carbon Tetrachloride	7.899	117	55157	21.803	ug/l	96
39) Methylcyclohexane	9.185	83	65192	21.558	ug/l	90
40) Benzene	8.161	78	137604	21.559	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	13013m	21.874	ug/l	
42) 1,2-Dichloroethane	8.234	62	42118	21.707	ug/l	93
43) Isopropyl Acetate	8.277	43	47921	21.405	ug/l #	91
44) Trichloroethene	8.941	130	37442	21.696	ug/l	100
45) 1,2-Dichloropropane	9.216	63	33875	21.523	ug/l	98
46) Dibromomethane	9.307	93	20129	21.497	ug/l	92
47) Bromodichloromethane	9.496	83	49312	21.778	ug/l	99
48) Methyl methacrylate	9.295	41	22043	21.771	ug/l	91
49) 1,4-Dioxane	9.295	88	4483	437.069	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	123166	108.473	ug/l	92
52) Toluene	10.246	92	88495	22.005	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	50570	21.378	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	57391	21.661	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	27473	22.340	ug/l	94
56) Ethyl methacrylate	10.508	69	36936	21.624	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	47838	21.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	94391	106.233	ug/l	97
59) 2-Hexanone	10.831	43	84109	101.606	ug/l	91
60) Dibromochloromethane	10.984	129	32122	20.981	ug/l	97
61) 1,2-Dibromoethane	11.087	107	26187	21.523	ug/l	100
64) Tetrachloroethene	10.721	164	32397	21.929	ug/l	97
65) Chlorobenzene	11.514	112	89926	21.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	33613	21.501	ug/l	99
67) Ethyl Benzene	11.593	91	171251	21.550	ug/l	99
68) m/p-Xylenes	11.703	106	126624	43.021	ug/l	98
69) o-Xylene	12.026	106	60309	21.672	ug/l	99
70) Styrene	12.044	104	100086	21.818	ug/l	99
71) Bromoform	12.209	173	19012	22.042	ug/l #	97
73) Isopropylbenzene	12.325	105	169067	21.655	ug/l	96
74) N-amyl acetate	12.142	43	40789	21.107	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	29714	20.841	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	21390m	21.063	ug/l	
77) Bromobenzene	12.605	156	34129	20.753	ug/l	94
78) n-propylbenzene	12.672	91	201098	21.266	ug/l	99
79) 2-Chlorotoluene	12.752	91	110212	21.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	135281	21.241	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10813	21.331	ug/l	88
82) 4-Chlorotoluene	12.855	91	114267	21.249	ug/l	99
83) tert-Butylbenzene	13.075	119	120210	21.681	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	134263	21.411	ug/l	97
85) sec-Butylbenzene	13.251	105	178750	21.494	ug/l	98
86) p-Isopropyltoluene	13.367	119	145186	21.431	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	68698	21.545	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	67887	21.359	ug/l	97
89) n-Butylbenzene	13.697	91	140479	21.544	ug/l	99
90) Hexachloroethane	13.959	117	27326	21.344	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	59679	21.264	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4919	21.231	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	34554	20.790	ug/l	98
94) Hexachlorobutadiene	15.111	225	20248	22.007	ug/l	98
95) Naphthalene	15.233	128	74130	21.462	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29842	21.270	ug/l	97

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

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