

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007362.D
 Acq On : 02 Feb 2022 18:18
 Operator : SY/MD
 Sample : VY0202SBS01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0202SBS01

Quant Time: Feb 03 04:43:17 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	213939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	85211	52.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.640%			
35) Dibromofluoromethane	7.716	113	78295	51.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.360%			
50) Toluene-d8	10.179	98	290718	51.437	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.477	95	98373	51.209	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	35718	21.751	ug/l	98
3) Chloromethane	2.113	50	39988	20.217	ug/l	95
4) Vinyl Chloride	2.247	62	39405	20.349	ug/l	99
5) Bromomethane	2.644	94	26924	22.955	ug/l	94
6) Chloroethane	2.790	64	24323	20.453	ug/l	98
7) Trichlorofluoromethane	3.125	101	65169	20.768	ug/l	92
8) Diethyl Ether	3.528	74	19388	20.815	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	35901	20.314	ug/l	92
10) Methyl Iodide	4.088	142	34741	18.235	ug/l	97
11) Tert butyl alcohol	4.948	59	24987	107.346	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	33080	20.264	ug/l	93
13) Acrolein	3.729	56	20495	94.567	ug/l	98
14) Allyl chloride	4.479	41	52620	20.986	ug/l #	94
15) Acrylonitrile	5.161	53	44459	101.594	ug/l	99
16) Acetone	3.942	43	45114	86.102	ug/l	99
17) Carbon Disulfide	4.192	76	104639	20.418	ug/l	98
18) Methyl Acetate	4.479	43	20206	20.589	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	94296	20.503	ug/l	97
20) Methylene Chloride	4.716	84	36645	20.212	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	37331	20.671	ug/l	86
22) Diisopropyl ether	6.119	45	111370	21.198	ug/l #	95
23) Vinyl Acetate	6.058	43	354732	103.530	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	65612	20.678	ug/l	99
25) 2-Butanone	6.984	43	60221	95.129	ug/l	93
26) 2,2-Dichloropropane	6.984	77	60076	19.787	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	41763	20.936	ug/l	89
28) Bromochloromethane	7.332	49	25655	20.678	ug/l	90
29) Tetrahydrofuran	7.350	42	38117	104.200	ug/l	91
30) Chloroform	7.509	83	68182	20.656	ug/l	97
31) Cyclohexane	7.783	56	65009	20.651	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	63268	20.623	ug/l	96
36) 1,1-Dichloropropene	7.917	75	53892	20.151	ug/l	99
37) Ethyl Acetate	7.076	43	26769	20.133	ug/l	96
38) Carbon Tetrachloride	7.899	117	56396	20.071	ug/l	98
39) Methylcyclohexane	9.185	83	67171	19.999	ug/l	87
40) Benzene	8.161	78	144491	20.382	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13543m	20.497	ug/l	
42) 1,2-Dichloroethane	8.234	62	44636	20.713	ug/l	95
43) Isopropyl Acetate	8.271	43	50526	20.319	ug/l #	92
44) Trichloroethene	8.935	130	38654	20.166	ug/l	93
45) 1,2-Dichloropropane	9.216	63	35385	20.243	ug/l	93
46) Dibromomethane	9.307	93	20994	20.187	ug/l	92
47) Bromodichloromethane	9.496	83	51322	20.407	ug/l	97
48) Methyl methacrylate	9.289	41	23024	20.474	ug/l	90
49) 1,4-Dioxane	9.301	88	4541	398.611	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	126811	100.555	ug/l	92
52) Toluene	10.240	92	90280	20.212	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	53799	20.477	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	60359	20.511	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	28356	20.760	ug/l	94
56) Ethyl methacrylate	10.508	69	39179	20.651	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	48702	20.110	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	95691	96.965	ug/l	98
59) 2-Hexanone	10.831	43	86381	93.953	ug/l	88
60) Dibromochloromethane	10.984	129	33240	19.548	ug/l	96
61) 1,2-Dibromoethane	11.087	107	27213	20.138	ug/l	98
64) Tetrachloroethene	10.715	164	33199	19.774	ug/l	95
65) Chlorobenzene	11.514	112	93240	19.591	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	34559	19.452	ug/l	97
67) Ethyl Benzene	11.587	91	178639	19.780	ug/l	98
68) m/p-Xylenes	11.703	106	134212	40.124	ug/l	99
69) o-Xylene	12.026	106	62848	19.873	ug/l	99
70) Styrene	12.044	104	103637	19.880	ug/l	99
71) Bromoform	12.203	173	19476	19.869	ug/l #	97
73) Isopropylbenzene	12.331	105	170564	19.834	ug/l	98
74) N-amyl acetate	12.142	43	42618	20.021	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	30578	19.471	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	21839m	19.523	ug/l	
77) Bromobenzene	12.605	156	35627	19.667	ug/l	96
78) n-propylbenzene	12.666	91	207013	19.874	ug/l	99
79) 2-Chlorotoluene	12.751	91	116426	20.188	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	144041	20.532	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	10899	19.520	ug/l	89
82) 4-Chlorotoluene	12.855	91	119188	20.122	ug/l	97
83) tert-Butylbenzene	13.075	119	122273	20.021	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	144237	20.881	ug/l	97
85) sec-Butylbenzene	13.251	105	185384	20.237	ug/l	98
86) p-Isopropyltoluene	13.367	119	149520	20.037	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	70211	19.990	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	70039	20.005	ug/l	96
89) n-Butylbenzene	13.696	91	141627	19.719	ug/l	99
90) Hexachloroethane	13.959	117	27371	19.408	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	61797	19.989	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4909	19.235	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	34022	18.583	ug/l	97
94) Hexachlorobutadiene	15.111	225	19899	19.634	ug/l	99
95) Naphthalene	15.233	128	78433	20.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	28922	18.715	ug/l	98

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

