

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070821\
 Data File : VY005385.D
 Acq On : 08 Jul 2021 14:24
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:39 PM

Quant Time: Jul 09 06:44:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 06:42:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	304415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	444280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	412644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	221321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59859	23.482	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.960%#		
35) Dibromofluoromethane	7.722	113	53467	20.719	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.440%#		
50) Toluene-d8	10.179	98	227142	21.869	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	43.740%#		
62) 4-Bromofluorobenzene	12.483	95	76649	22.054	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	44.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	47230	23.505	ug/l	96
3) Chloromethane	2.113	50	57060	21.378	ug/l	99
4) Vinyl Chloride	2.253	62	68615	22.435	ug/l	99
5) Bromomethane	2.631	94	48181	24.349	ug/l	96
6) Chloroethane	2.790	64	43322	21.479	ug/l	95
7) Trichlorofluoromethane	3.119	101	95985	23.238	ug/l	98
8) Diethyl Ether	3.534	74	33648	21.935	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	52595	21.075	ug/l	99
10) Methyl Iodide	4.088	142	61543	17.677	ug/l	99
11) Tert butyl alcohol	4.966	59	47123	97.446	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	54640	21.623	ug/l	98
13) Acrolein	3.741	56	27609	184.431	ug/l	97
14) Allyl chloride	4.485	41	79969	21.868	ug/l	99
15) Acrylonitrile	5.173	53	76431	107.269	ug/l	100
16) Acetone	3.954	43	61750	104.277	ug/l	100
17) Carbon Disulfide	4.198	76	164218	20.948	ug/l	100
18) Methyl Acetate	4.485	43	34350	21.994	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	150947	21.641	ug/l	99
20) Methylene Chloride	4.722	84	101602	23.785	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	61361	21.765	ug/l	98
22) Diisopropyl ether	6.131	45	167363	21.989	ug/l	98
23) Vinyl Acetate	6.070	43	532848	108.394	ug/l	98
24) 1,1-Dichloroethane	6.021	63	100714	21.416	ug/l	98
25) 2-Butanone	6.996	43	92986	108.114	ug/l	97
26) 2,2-Dichloropropane	6.984	77	93080	22.453	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	68651	21.549	ug/l	99
28) Bromochloromethane	7.338	49	38853	20.813	ug/l	97
29) Tetrahydrofuran	7.356	42	61636	108.957	ug/l	99
30) Chloroform	7.514	83	106740	22.082	ug/l	94
31) Cyclohexane	7.789	56	98437	21.750	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	97721	22.645	ug/l	100
36) 1,1-Dichloropropene	7.923	75	82840	21.121	ug/l	99
37) Ethyl Acetate	7.082	43	42009	20.930	ug/l	100
38) Carbon Tetrachloride	7.905	117	92908	22.382	ug/l	96
39) Methylcyclohexane	9.185	83	105343	20.867	ug/l	99
40) Benzene	8.167	78	245112	21.185	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	20195	18.655	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	71651	22.467	ug/l	99
43) Isopropyl Acetate	8.277	43	76617	20.651	ug/l	99
44) Trichloroethene	8.941	130	69245	21.214	ug/l	99
45) 1,2-Dichloropropane	9.222	63	57955	20.950	ug/l	99
46) Dibromomethane	9.307	93	32591	20.340	ug/l	98
47) Bromodichloromethane	9.496	83	81327	21.417	ug/l	98
48) Methyl methacrylate	9.295	41	35251	21.376	ug/l	100
49) 1,4-Dioxane	9.301	88	9608	441.384	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	215644	110.140	ug/l	98
52) Toluene	10.246	92	160062	21.527	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	88766	21.272	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	99789	21.368	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	49277	20.905	ug/l	98
56) Ethyl methacrylate	10.514	69	67441	21.119	ug/l	99
57) 1,3-Dichloropropane	10.794	76	83004	20.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	166391	119.442	ug/l	99
59) 2-Hexanone	10.837	43	149872	110.893	ug/l	99
60) Dibromochloromethane	10.983	129	60107	20.825	ug/l	100
61) 1,2-Dibromoethane	11.093	107	46186	20.277	ug/l	100
64) Tetrachloroethene	10.721	164	62698	20.694	ug/l	98
65) Chlorobenzene	11.520	112	173150	21.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	63591	20.796	ug/l	99
67) Ethyl Benzene	11.593	91	304555	21.393	ug/l	100
68) m/p-Xylenes	11.703	106	245134	43.060	ug/l	100
69) o-Xylene	12.032	106	115190	21.340	ug/l	100
70) Styrene	12.044	104	198646	21.828	ug/l	100
71) Bromoform	12.209	173	40802	19.844	ug/l #	99
73) Isopropylbenzene	12.331	105	304479	21.071	ug/l	100
74) N-amyl acetate	12.148	43	71996	21.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	56726	20.045	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	39105m	19.941	ug/l	
77) Bromobenzene	12.611	156	75401	19.903	ug/l	99
78) n-propylbenzene	12.672	91	363592	21.324	ug/l	100
79) 2-Chlorotoluene	12.757	91	203829	21.206	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	256902	21.452	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	21238	20.200	ug/l	99
82) 4-Chlorotoluene	12.855	91	209951	21.100	ug/l	100
83) tert-Butylbenzene	13.074	119	225223	21.205	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	256891	21.649	ug/l	100
85) sec-Butylbenzene	13.257	105	334704	21.537	ug/l	100
86) p-Isopropyltoluene	13.373	119	288874	21.518	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	150411	20.599	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	150151	20.806	ug/l	99
89) n-Butylbenzene	13.696	91	259078	21.891	ug/l	100
90) Hexachloroethane	13.965	117	51633	21.327	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	135950	21.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10455	21.995	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	89991	19.951	ug/l	99
94) Hexachlorobutadiene	15.117	225	56434	19.982	ug/l	99
95) Naphthalene	15.239	128	168668	20.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	77945	19.710	ug/l	100

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

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