

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072221\
 Data File : VY005415.D
 Acq On : 22 Jul 2021 16:41
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY072221

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:47:57 PM

Quant Time: Jul 23 06:25:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	287403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	418116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	389742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148929	48.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.000%
35) Dibromofluoromethane	7.728	113	119575	49.529	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.185	98	505614	49.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.483	95	164409	48.683	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	122425	47.054	ug/l	99
3) Chloromethane	2.119	50	157771	49.467	ug/l	99
4) Vinyl Chloride	2.260	62	185901	48.948	ug/l	100
5) Bromomethane	2.662	94	143690	51.770	ug/l	99
6) Chloroethane	2.802	64	125725	52.695	ug/l	100
7) Trichlorofluoromethane	3.137	101	253785	51.099	ug/l	100
8) Diethyl Ether	3.540	74	93007	53.196	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	142173	52.672	ug/l	98
10) Methyl Iodide	4.101	142	173072	56.497	ug/l	96
11) Tert butyl alcohol	5.003	59	71859	247.744	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	145259	52.864	ug/l	99
13) Acrolein	3.747	56	59478	223.932	ug/l	98
14) Allyl chloride	4.491	41	259879	52.849	ug/l	98
15) Acrylonitrile	5.186	53	228386	263.041	ug/l	99
16) Acetone	3.973	43	181329	258.599	ug/l	94
17) Carbon Disulfide	4.204	76	473328	52.093	ug/l	100
18) Methyl Acetate	4.491	43	101338	51.416	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	454873	54.864	ug/l	99
20) Methylene Chloride	4.729	84	203853	55.331	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	164254	53.208	ug/l	97
22) Diisopropyl ether	6.131	45	471604	49.413	ug/l	99
23) Vinyl Acetate	6.070	43	1719454	273.899	ug/l	100
24) 1,1-Dichloroethane	6.033	63	293696	55.828	ug/l	100
25) 2-Butanone	7.003	43	251654	239.656	ug/l	98
26) 2,2-Dichloropropane	6.990	77	233196	48.747	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	161227	48.824	ug/l	100
28) Bromochloromethane	7.344	49	95402	45.048	ug/l	99
29) Tetrahydrofuran	7.362	42	171011	245.925	ug/l	99
30) Chloroform	7.515	83	259825	49.924	ug/l	99
31) Cyclohexane	7.795	56	248037	47.311	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	241045	50.025	ug/l	100
36) 1,1-Dichloropropene	7.923	75	204987	50.704	ug/l	99
37) Ethyl Acetate	7.088	43	122279	49.687	ug/l	100
38) Carbon Tetrachloride	7.911	117	223478	50.586	ug/l	98
39) Methylcyclohexane	9.191	83	258153	49.798	ug/l	98
40) Benzene	8.167	78	586006	50.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	70493	54.662	ug/l	95
42) 1,2-Dichloroethane	8.246	62	190628	50.722	ug/l	100
43) Isopropyl Acetate	8.283	43	229466	51.489	ug/l	99
44) Trichloroethene	8.947	130	158782	50.394	ug/l	99
45) 1,2-Dichloropropane	9.222	63	143258	50.079	ug/l	100
46) Dibromomethane	9.313	93	80049	50.840	ug/l	98
47) Bromodichloromethane	9.502	83	204494	51.669	ug/l	97
48) Methyl methacrylate	9.301	41	104899	50.614	ug/l	99
49) 1,4-Dioxane	9.319	88	22495	1012.837	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	606565	256.376	ug/l	99
52) Toluene	10.246	92	373106	50.573	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	226982	51.268	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	248956	51.154	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	115029	50.905	ug/l	98
56) Ethyl methacrylate	10.514	69	177802	52.110	ug/l	99
57) 1,3-Dichloropropane	10.795	76	204347	50.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	440975	270.240	ug/l	100
59) 2-Hexanone	10.837	43	428614	258.474	ug/l	100
60) Dibromochloromethane	10.990	129	141883	51.411	ug/l	100
61) 1,2-Dibromoethane	11.093	107	109963	51.410	ug/l	99
64) Tetrachloroethene	10.721	164	144529	49.088	ug/l	98
65) Chlorobenzene	11.520	112	398291	49.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	150758	50.567	ug/l	99
67) Ethyl Benzene	11.599	91	730554	50.272	ug/l	99
68) m/p-Xylenes	11.703	106	567338	100.543	ug/l	99
69) o-Xylene	12.032	106	268215	49.963	ug/l	99
70) Styrene	12.044	104	463602	50.859	ug/l	100
71) Bromoform	12.209	173	97196	51.009	ug/l #	100
73) Isopropylbenzene	12.331	105	709726	51.830	ug/l	100
74) N-amyl acetate	12.148	43	219581	52.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	135913	51.986	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	101183m	51.786	ug/l	
77) Bromobenzene	12.611	156	172367	51.403	ug/l	98
78) n-propylbenzene	12.672	91	853677	51.673	ug/l	100
79) 2-Chlorotoluene	12.758	91	475059	51.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	586475	51.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	51416	51.096	ug/l	99
82) 4-Chlorotoluene	12.855	91	490823	51.103	ug/l	99
83) tert-Butylbenzene	13.075	119	528396	51.867	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	588099	51.265	ug/l	100
85) sec-Butylbenzene	13.258	105	763364	51.950	ug/l	99
86) p-Isopropyltoluene	13.373	119	652803	51.597	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	338753	51.509	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	333656	51.203	ug/l	99
89) n-Butylbenzene	13.696	91	595671	51.293	ug/l	99
90) Hexachloroethane	13.965	117	117263	51.561	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	299075	50.926	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26285	51.846	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	204155	50.384	ug/l	99
94) Hexachlorobutadiene	15.117	225	129116	50.277	ug/l	99
95) Naphthalene	15.239	128	421563	51.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	184910	50.628	ug/l	99

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

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