

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061721\
 Data File : VY005152.D
 Acq On : 17 Jun 2021 13:26
 Operator : SY/MD
 Sample : VY0617SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0617SBS01

Manual Integrations
 APPROVED

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 6/18/2021 2:22:40 PM

Quant Time: Jun 18 03:00:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:40:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	196531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	308849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	276749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94688	49.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.660%
35) Dibromofluoromethane	7.728	113	80576	59.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.560%
50) Toluene-d8	10.185	98	320289	48.677	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.483	95	109763	49.601	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43339	19.960	ug/l	94
3) Chloromethane	2.119	50	45808	20.460	ug/l	99
4) Vinyl Chloride	2.260	62	42636	19.836	ug/l	99
5) Bromomethane	2.650	94	24679	20.118	ug/l	89
6) Chloroethane	2.802	64	24793	20.293	ug/l	97
7) Trichlorofluoromethane	3.131	101	73073	20.339	ug/l	100
8) Diethyl Ether	3.546	74	24687	21.134	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	40646	20.897	ug/l	97
10) Methyl Iodide	4.095	142	47389	21.677	ug/l	99
11) Tert butyl alcohol	4.972	59	21412	111.202	ug/l	99
12) 1,1-Dichloroethene	3.881	96	40565	21.288	ug/l	96
13) Acrolein	3.741	56	19846	107.265	ug/l	96
14) Allyl chloride	4.491	41	57910	21.807	ug/l	97
15) Acrylonitrile	5.180	53	58831	112.231	ug/l	98
16) Acetone	3.960	43	44068	114.017	ug/l	94
17) Carbon Disulfide	4.204	76	122548	21.586	ug/l	99
18) Methyl Acetate	4.485	43	26105	23.012	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	112738	21.639	ug/l	99
20) Methylene Chloride	4.729	84	54816	22.038	ug/l	89
21) trans-1,2-Dichloroethene	5.235	96	42544	20.714	ug/l	98
22) Diisopropyl ether	6.137	45	117277	21.821	ug/l	99
23) Vinyl Acetate	6.070	43	395509	111.561	ug/l	98
24) 1,1-Dichloroethane	6.033	63	73348	21.683	ug/l	97
25) 2-Butanone	7.003	43	67434	114.688	ug/l	99
26) 2,2-Dichloropropane	6.990	77	68221	21.091	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	47277	21.222	ug/l	99
28) Bromochloromethane	7.338	49	27743	21.855	ug/l	98
29) Tetrahydrofuran	7.362	42	45727	114.499	ug/l	100
30) Chloroform	7.515	83	76578	21.210	ug/l	98
31) Cyclohexane	7.789	56	66907	20.699	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	71488	20.539	ug/l	99
36) 1,1-Dichloropropene	7.923	75	58574	20.710	ug/l	99
37) Ethyl Acetate	7.088	43	30896	21.437	ug/l	98
38) Carbon Tetrachloride	7.905	117	58893	19.613	ug/l	99
39) Methylcyclohexane	9.185	83	71791	20.479	ug/l	99
40) Benzene	8.167	78	168771	20.950	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	13065m	16.405	ug/l	
42) 1,2-Dichloroethane	8.246	62	52076	20.734	ug/l	100
43) Isopropyl Acetate	8.283	43	57722	21.856	ug/l	99
44) Trichloroethene	8.947	130	49008	20.722	ug/l	99
45) 1,2-Dichloropropane	9.222	63	39312	21.320	ug/l	95
46) Dibromomethane	9.313	93	24623	21.421	ug/l	99
47) Bromodichloromethane	9.502	83	56580	20.438	ug/l	99
48) Methyl methacrylate	9.295	41	25386	21.469	ug/l	98
49) 1,4-Dioxane	9.307	88	6235	419.994	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	148489	109.950	ug/l	100
52) Toluene	10.246	92	105847	20.647	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	61624	20.811	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	69072	21.073	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	33816	21.179	ug/l	95
56) Ethyl methacrylate	10.514	69	45241	20.972	ug/l	99
57) 1,3-Dichloropropane	10.795	76	56230	20.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	113288	119.521	ug/l	99
59) 2-Hexanone	10.837	43	101842	109.042	ug/l	99
60) Dibromochloromethane	10.990	129	40581	20.458	ug/l	100
61) 1,2-Dibromoethane	11.093	107	32028	20.544	ug/l	98
64) Tetrachloroethene	10.721	164	51267	20.762	ug/l	99
65) Chlorobenzene	11.520	112	113115	20.716	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	41578	20.535	ug/l	100
67) Ethyl Benzene	11.593	91	199881	20.703	ug/l	100
68) m/p-Xylenes	11.703	106	157214	41.423	ug/l	100
69) o-Xylene	12.032	106	74704	20.928	ug/l	100
70) Styrene	12.050	104	124848	20.670	ug/l	100
71) Bromoform	12.215	173	25584	20.626	ug/l #	99
73) Isopropylbenzene	12.331	105	197398	21.022	ug/l	99
74) N-amyl acetate	12.148	43	48773	22.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	36350	22.292	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27573m	22.935	ug/l	
77) Bromobenzene	12.611	156	47068	21.069	ug/l	97
78) n-propylbenzene	12.672	91	236002	21.027	ug/l	100
79) 2-Chlorotoluene	12.764	91	134066	21.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	169661	21.157	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13569	21.056	ug/l	96
82) 4-Chlorotoluene	12.855	91	138135	21.293	ug/l	100
83) tert-Butylbenzene	13.081	119	146856	20.926	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	166008	20.954	ug/l	97
85) sec-Butylbenzene	13.258	105	210481	20.821	ug/l	99
86) p-Isopropyltoluene	13.373	119	180646	20.826	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	93191	21.367	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	91909	21.078	ug/l	99
89) n-Butylbenzene	13.697	91	162370	20.566	ug/l	99
90) Hexachloroethane	13.965	117	28598	20.228	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	82042	20.916	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6742	20.754	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	51566	20.484	ug/l	99
94) Hexachlorobutadiene	15.117	225	28748	19.762	ug/l	98
95) Naphthalene	15.239	128	110477	20.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	44995	19.954	ug/l	99

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

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