

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002722.D
 Acq On : 20 May 2020 11:38
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:14:38 PM

Quant Time: May 21 03:55:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	411193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	602253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	537979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	274851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	151287	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	7.72	113	167957	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.18	98	681622	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.48	95	226104	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	55296	18.767	ug/l	93
3) Chloromethane	2.12	50	65024	19.269	ug/l	97
4) Vinyl Chloride	2.26	62	69451	19.751	ug/l	97
5) Bromomethane	2.64	94	50186	19.257	ug/l	97
6) Chloroethane	2.79	64	43812	19.484	ug/l	96
7) Trichlorofluoromethane	3.13	101	116640	19.683	ug/l	98
8) Diethyl Ether	3.53	74	38478	19.088	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	72210	20.102	ug/l	99
10) Methyl Iodide	4.10	142	97313	19.682	ug/l	99
11) Tert butyl alcohol	4.96	59	27637	84.609	ug/l	99
12) 1,1-Dichloroethene	3.88	96	73090	20.265	ug/l	98
13) Acrolein	3.74	56	32407	84.587	ug/l	96
14) Allyl chloride	4.49	41	103386	19.966	ug/l	100
15) Acrylonitrile	5.17	53	81500	89.289	ug/l	100
16) Acetone	3.96	43	53108	80.097	ug/l	99
17) Carbon Disulfide	4.20	76	223545	19.759	ug/l	100
18) Methyl Acetate	4.49	43	35182	18.610	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	170193	19.024	ug/l	99
20) Methylene Chloride	4.72	84	75234	18.771	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	79563	19.838	ug/l	97
22) Diisopropyl ether	6.13	45	208174	20.264	ug/l	97
23) Vinyl Acetate	6.07	43	618599	94.039	ug/l	99
24) 1,1-Dichloroethane	6.02	63	124635	20.303	ug/l	99
25) 2-Butanone	6.99	43	94443	86.089	ug/l	99
26) 2,2-Dichloropropane	6.99	77	113841	19.931	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	86058	19.858	ug/l	99
28) Bromochloromethane	7.34	49	50647	20.856	ug/l	99
29) Tetrahydrofuran	7.35	42	66458	89.036	ug/l	100
30) Chloroform	7.52	83	126033	19.782	ug/l	99
31) Cyclohexane	7.78	56	123294	19.803	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	116035	19.710	ug/l	98
36) 1,1-Dichloropropene	7.92	75	103569	20.314	ug/l	99
37) Ethyl Acetate	7.08	43	46224	18.433	ug/l	98
38) Carbon Tetrachloride	7.90	117	109771	20.033	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	136664	19.935	ug/l	96
40) Benzene	8.16	78	299490	20.132	ug/l	98
41) Methacrylonitrile	7.33	41	28926m	19.200	ug/l	
42) 1,2-Dichloroethane	8.24	62	73793	18.808	ug/l	98
43) Isopropyl Acetate	8.28	43	87746	18.829	ug/l	99
44) Trichloroethene	8.94	130	96003	20.246	ug/l	99
45) 1,2-Dichloropropane	9.22	63	71146	20.151	ug/l	97
46) Dibromomethane	9.31	93	38420	19.369	ug/l	100
47) Bromodichloromethane	9.50	83	94745	19.571	ug/l	97
48) Methyl methacrylate	9.29	41	39328	18.329	ug/l	96
49) 1,4-Dioxane	9.30	88	8870	328.327	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	221858	92.207	ug/l	99
52) Toluene	10.24	92	190495	19.788	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	99178	19.194	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	118352	19.758	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	55778	18.888	ug/l	99
56) Ethyl methacrylate	10.51	69	73110	18.596	ug/l	99
57) 1,3-Dichloropropane	10.79	76	95399	19.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	180423	92.961	ug/l	99
59) 2-Hexanone	10.83	43	149792	89.358	ug/l	99
60) Dibromochloromethane	10.99	129	71892	19.056	ug/l	100
61) 1,2-Dibromoethane	11.09	107	54895	18.867	ug/l	99
64) Tetrachloroethene	10.72	164	105758	20.707	ug/l	98
65) Chlorobenzene	11.52	112	209688	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	76707	19.881	ug/l	98
67) Ethyl Benzene	11.59	91	370680	20.308	ug/l	99
68) m/p-Xylenes	11.70	106	290370	40.889	ug/l	99
69) o-Xylene	12.03	106	134859	20.233	ug/l	100
70) Styrene	12.04	104	229615	20.065	ug/l	100
71) Bromoform	12.20	173	44405	18.619	ug/l #	99
73) Isopropylbenzene	12.33	105	373541	20.799	ug/l	100
74) N-amyl acetate	12.14	43	80488	19.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	49189	18.600	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	40709m	18.030	ug/l	
77) Bromobenzene	12.61	156	90056	20.057	ug/l	100
78) n-propylbenzene	12.67	91	433986	20.773	ug/l	100
79) 2-Chlorotoluene	12.75	91	239258	20.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	307977	20.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	22208	18.602	ug/l	95
82) 4-Chlorotoluene	12.85	91	247885	20.422	ug/l	99
83) tert-Butylbenzene	13.07	119	276363	20.693	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	308238	20.438	ug/l	100
85) sec-Butylbenzene	13.25	105	379241	20.579	ug/l	100
86) p-Isopropyltoluene	13.37	119	352749	20.449	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	175330	20.253	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	172823	20.052	ug/l	99
89) n-Butylbenzene	13.69	91	324331	20.474	ug/l	99
90) Hexachloroethane	13.96	117	64524	20.195	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	151977	19.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9200	18.140	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	111084	17.796	ug/l	98
94) Hexachlorobutadiene	15.11	225	71472	19.132	ug/l	98
95) Naphthalene	15.23	128	188705	17.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	92422	17.178	ug/l	98

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

