

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002635.D
 Acq On : 08 May 2020 12:24
 Operator : SY/MD
 Sample : VY0508SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:50 PM

Quant Time: May 11 01:38:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	362703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	537970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	481163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	249574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	150996	49.51	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.73	113	163721	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.19	98	637467	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.49	95	217270	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	46227	16.658	ug/l	99
3) Chloromethane	2.13	50	56395	19.191	ug/l	99
4) Vinyl Chloride	2.26	62	66004	19.452	ug/l	96
5) Bromomethane	2.65	94	45472	19.433	ug/l	100
6) Chloroethane	2.80	64	39868	19.678	ug/l	97
7) Trichlorofluoromethane	3.14	101	104342	19.841	ug/l	99
8) Diethyl Ether	3.54	74	35870	20.297	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	64830	20.171	ug/l	99
10) Methyl Iodide	4.11	142	77894	17.789	ug/l	99
11) Tert butyl alcohol	4.98	59	29140	92.874	ug/l	99
12) 1,1-Dichloroethene	3.88	96	62446	20.000	ug/l	99
13) Acrolein	3.75	56	16310	75.173	ug/l	94
14) Allyl chloride	4.49	41	94441	20.759	ug/l	97
15) Acrylonitrile	5.19	53	84037	100.837	ug/l	99
16) Acetone	3.96	43	59907	95.183	ug/l	97
17) Carbon Disulfide	4.21	76	169935	18.091	ug/l	99
18) Methyl Acetate	4.50	43	40418	19.220	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	163151	20.028	ug/l	98
20) Methylene Chloride	4.73	84	72847	20.698	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	69418	20.341	ug/l	98
22) Diisopropyl ether	6.13	45	198097	21.521	ug/l	99
23) Vinyl Acetate	6.08	43	582397	100.605	ug/l	100
24) 1,1-Dichloroethane	6.03	63	113253	20.797	ug/l	99
25) 2-Butanone	7.00	43	99796	96.864	ug/l	94
26) 2,2-Dichloropropane	7.00	77	103818	20.057	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	78971	20.914	ug/l	98
28) Bromochloromethane	7.35	49	46528	20.854	ug/l	100
29) Tetrahydrofuran	7.36	42	68246	100.120	ug/l	99
30) Chloroform	7.52	83	117699	20.787	ug/l	99
31) Cyclohexane	7.80	56	107056	19.531	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	109136	20.737	ug/l	98
36) 1,1-Dichloropropene	7.93	75	93266	20.680	ug/l	99
37) Ethyl Acetate	7.08	43	45980	19.840	ug/l	99
38) Carbon Tetrachloride	7.91	117	99408	20.190	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	118063	19.820	ug/l	99
40) Benzene	8.17	78	267730	20.554	ug/l	100
41) Methacrylonitrile	7.34	41	28262m	22.681	ug/l	
42) 1,2-Dichloroethane	8.25	62	70686	19.347	ug/l	99
43) Isopropyl Acetate	8.28	43	86501	19.910	ug/l	100
44) Trichloroethene	8.95	130	85758	21.067	ug/l	98
45) 1,2-Dichloropropane	9.22	63	65859	20.950	ug/l	99
46) Dibromomethane	9.31	93	36243	20.038	ug/l	100
47) Bromodichloromethane	9.50	83	89655	20.386	ug/l	99
48) Methyl methacrylate	9.30	41	37599	19.122	ug/l	96
49) 1,4-Dioxane	9.30	88	10203	426.048	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	225228	100.575	ug/l	99
52) Toluene	10.25	92	174519	20.848	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	93356	20.260	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	108696	20.405	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	54994	20.850	ug/l	97
56) Ethyl methacrylate	10.52	69	71240	20.303	ug/l	96
57) 1,3-Dichloropropane	10.80	76	91545	20.466	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	194971	105.367	ug/l	98
59) 2-Hexanone	10.84	43	154562	100.279	ug/l	100
60) Dibromochloromethane	10.99	129	68254	20.346	ug/l	100
61) 1,2-Dibromoethane	11.09	107	52665	20.165	ug/l	99
64) Tetrachloroethene	10.72	164	95109	22.247	ug/l	95
65) Chlorobenzene	11.52	112	194599	21.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	71795	21.145	ug/l	99
67) Ethyl Benzene	11.60	91	340745	21.208	ug/l	99
68) m/p-Xylenes	11.71	106	260135	41.844	ug/l	99
69) o-Xylene	12.03	106	123906	21.287	ug/l	98
70) Styrene	12.05	104	213207	21.426	ug/l	98
71) Bromoform	12.22	173	43920	20.841	ug/l #	98
73) Isopropylbenzene	12.34	105	344866	21.321	ug/l	99
74) N-amyl acetate	12.15	43	80187	20.609	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	49214	19.132	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	47481m	21.408	ug/l	
77) Bromobenzene	12.62	156	83978	20.781	ug/l	99
78) n-propylbenzene	12.68	91	396674	21.133	ug/l	99
79) 2-Chlorotoluene	12.77	91	220315	21.189	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	282418	21.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21957	19.851	ug/l	98
82) 4-Chlorotoluene	12.86	91	233067	21.340	ug/l	98
83) tert-Butylbenzene	13.08	119	257068	21.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	284141	21.264	ug/l	100
85) sec-Butylbenzene	13.27	105	351099	21.522	ug/l	100
86) p-Isopropyltoluene	13.38	119	324650	21.239	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	162375	21.230	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	162179	21.414	ug/l	99
89) n-Butylbenzene	13.70	91	298346	21.441	ug/l	99
90) Hexachloroethane	13.97	117	59529	21.386	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	142280	20.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9145	19.072	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104260	21.042	ug/l	99
94) Hexachlorobutadiene	15.12	225	64943	21.836	ug/l	98
95) Naphthalene	15.25	128	180250	19.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	85823	20.403	ug/l	100

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

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