

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002636.D
 Acq On : 08 May 2020 12:46
 Operator : SY/MD
 Sample : VY0508SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:51 PM

Quant Time: May 11 01:39:57 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	7.82	168	357031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	529772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	478197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	250870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	144903	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.74	113	154094	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.19	98	601927	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.49	95	206280	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	39736	14.773	ug/l	99
3) Chloromethane	2.13	50	49996	17.284	ug/l	97
4) Vinyl Chloride	2.26	62	57897	17.334	ug/l	99
5) Bromomethane	2.65	94	42360	18.390	ug/l	98
6) Chloroethane	2.80	64	37205	18.655	ug/l	98
7) Trichlorofluoromethane	3.15	101	94595	18.273	ug/l	98
8) Diethyl Ether	3.55	74	34473	19.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	60115	19.001	ug/l	98
10) Methyl Iodide	4.11	142	77365	17.949	ug/l	98
11) Tert butyl alcohol	4.99	59	28527	92.365	ug/l	99
12) 1,1-Dichloroethene	3.90	96	57448	18.691	ug/l	98
13) Acrolein	3.76	56	16159	75.661	ug/l	99
14) Allyl chloride	4.51	41	87776	19.601	ug/l	98
15) Acrylonitrile	5.19	53	81385	99.206	ug/l	100
16) Acetone	3.97	43	59815	96.547	ug/l	95
17) Carbon Disulfide	4.22	76	158516	17.144	ug/l	97
18) Methyl Acetate	4.50	43	40686	19.655	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	158611	19.780	ug/l	98
20) Methylene Chloride	4.75	84	69316	20.007	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	64557	19.218	ug/l	97
22) Diisopropyl ether	6.15	45	188639	20.819	ug/l	97
23) Vinyl Acetate	6.10	43	565438	99.227	ug/l	99
24) 1,1-Dichloroethane	6.05	63	107032	19.967	ug/l	99
25) 2-Butanone	7.02	43	98212	96.841	ug/l	97
26) 2,2-Dichloropropane	7.01	77	97467	19.129	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	74213	19.966	ug/l	98
28) Bromochloromethane	7.36	49	43206	19.672	ug/l	98
29) Tetrahydrofuran	7.37	42	67122	100.036	ug/l	100
30) Chloroform	7.53	83	111166	19.945	ug/l	100
31) Cyclohexane	7.80	56	99155	18.377	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	101338	19.561	ug/l	99
36) 1,1-Dichloropropene	7.94	75	86629	19.506	ug/l	99
37) Ethyl Acetate	7.10	43	44840	19.648	ug/l	99
38) Carbon Tetrachloride	7.93	117	92288	19.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	108829	18.553	ug/l	100
40) Benzene	8.18	78	253612	19.772	ug/l	99
41) Methacrylonitrile	7.34	41	26970m	21.979	ug/l	
42) 1,2-Dichloroethane	8.25	62	69127	19.213	ug/l	97
43) Isopropyl Acetate	8.29	43	85258	19.927	ug/l	99
44) Trichloroethene	8.96	130	82309	20.533	ug/l	97
45) 1,2-Dichloropropane	9.24	63	62546	20.204	ug/l	99
46) Dibromomethane	9.32	93	35001	19.651	ug/l	99
47) Bromodichloromethane	9.51	83	85690	19.786	ug/l	98
48) Methyl methacrylate	9.31	41	37191	19.207	ug/l	97
49) 1,4-Dioxane	9.32	88	9944	421.659	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	224129	101.633	ug/l	100
52) Toluene	10.25	92	164949	20.009	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	89454	19.713	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	104189	19.861	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	52626	20.261	ug/l	97
56) Ethyl methacrylate	10.52	69	69341	20.068	ug/l	97
57) 1,3-Dichloropropane	10.80	76	87312	19.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	184598	101.305	ug/l	99
59) 2-Hexanone	10.85	43	154488	101.782	ug/l	100
60) Dibromochloromethane	10.99	129	66416	20.104	ug/l	98
61) 1,2-Dibromoethane	11.10	107	50175	19.509	ug/l	100
64) Tetrachloroethene	10.73	164	90594	21.322	ug/l	98
65) Chlorobenzene	11.53	112	181660	19.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	67624	20.040	ug/l	98
67) Ethyl Benzene	11.60	91	320428	20.067	ug/l	100
68) m/p-Xylenes	11.71	106	247897	40.123	ug/l	100
69) o-Xylene	12.03	106	116914	20.210	ug/l	99
70) Styrene	12.05	104	202970	20.524	ug/l	98
71) Bromoform	12.22	173	42774	20.423	ug/l #	99
73) Isopropylbenzene	12.34	105	318747	19.605	ug/l	100
74) N-amyl acetate	12.15	43	78335	20.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	47591	18.405	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	38918m	17.457	ug/l	
77) Bromobenzene	12.62	156	80593	19.840	ug/l	99
78) n-propylbenzene	12.68	91	373071	19.773	ug/l	100
79) 2-Chlorotoluene	12.77	91	206807	19.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	270243	20.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	21928	19.723	ug/l	95
82) 4-Chlorotoluene	12.86	91	222090	20.230	ug/l	98
83) tert-Butylbenzene	13.08	119	234386	19.834	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	267656	19.927	ug/l	99
85) sec-Butylbenzene	13.26	105	328940	20.060	ug/l	100
86) p-Isopropyltoluene	13.38	119	307500	20.014	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	152875	19.884	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	152370	20.015	ug/l	98
89) n-Butylbenzene	13.70	91	282651	20.208	ug/l	99
90) Hexachloroethane	13.97	117	56672	20.254	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	137602	20.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9430	19.564	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	101840	20.447	ug/l	99
94) Hexachlorobutadiene	15.12	225	61750	20.655	ug/l	98
95) Naphthalene	15.25	128	181488	19.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	86892	20.551	ug/l	100

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

