

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002653.D
 Acq On : 11 May 2020 11:16
 Operator : SY/MD
 Sample : VY0511SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/12/2020 12:10:03 PM

Quant Time: May 11 17:13:47 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	401890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	598341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	528042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	268087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	155804	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.74	113	172018	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.19	98	681145	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.49	95	229874	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47023	15.439	ug/l	99
3) Chloromethane	2.13	50	58952	18.105	ug/l	99
4) Vinyl Chloride	2.27	62	67106	17.849	ug/l	99
5) Bromomethane	2.66	94	46551	17.954	ug/l	98
6) Chloroethane	2.80	64	40271	17.939	ug/l	93
7) Trichlorofluoromethane	3.15	101	108106	18.552	ug/l	95
8) Diethyl Ether	3.55	74	36967	18.878	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	68839	19.330	ug/l	99
10) Methyl Iodide	4.11	142	83999	17.313	ug/l	98
11) Tert butyl alcohol	4.99	59	30464	87.626	ug/l	99
12) 1,1-Dichloroethene	3.90	96	66685	19.275	ug/l	98
13) Acrolein	3.75	56	16325	67.906	ug/l	95
14) Allyl chloride	4.50	41	101406	20.117	ug/l	96
15) Acrylonitrile	5.20	53	83549	90.476	ug/l	99
16) Acetone	3.97	43	56921	81.621	ug/l	94
17) Carbon Disulfide	4.22	76	175467	16.859	ug/l	99
18) Methyl Acetate	4.51	43	41216	17.688	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	169630	18.793	ug/l	97
20) Methylene Chloride	4.74	84	71761	18.401	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	73104	19.333	ug/l	96
22) Diisopropyl ether	6.14	45	205799	20.178	ug/l	97
23) Vinyl Acetate	6.09	43	600147	93.563	ug/l	99
24) 1,1-Dichloroethane	6.05	63	121114	20.072	ug/l	98
25) 2-Butanone	7.01	43	100645	88.163	ug/l	100
26) 2,2-Dichloropropane	7.01	77	112596	19.632	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	82615	19.745	ug/l	98
28) Bromochloromethane	7.36	49	49463	20.007	ug/l	98
29) Tetrahydrofuran	7.37	42	68101	90.166	ug/l	100
30) Chloroform	7.53	83	126831	20.215	ug/l	99
31) Cyclohexane	7.81	56	112581	18.536	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	113921	19.536	ug/l	99
36) 1,1-Dichloropropene	7.94	75	96905	19.319	ug/l	99
37) Ethyl Acetate	7.10	43	45712	17.734	ug/l	99
38) Carbon Tetrachloride	7.92	117	105013	19.176	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	124674	18.818	ug/l	98
40) Benzene	8.18	78	283808	19.590	ug/l	99
41) Methacrylonitrile	7.35	41	28460m	20.536	ug/l	
42) 1,2-Dichloroethane	8.26	62	73663	18.127	ug/l	99
43) Isopropyl Acetate	8.29	43	86488	17.898	ug/l	99
44) Trichloroethene	8.96	130	90243	19.932	ug/l	97
45) 1,2-Dichloropropane	9.24	63	69638	19.917	ug/l	100
46) Dibromomethane	9.32	93	37590	18.686	ug/l	100
47) Bromodichloromethane	9.51	83	93796	19.175	ug/l	97
48) Methyl methacrylate	9.31	41	39579	18.098	ug/l	100
49) 1,4-Dioxane	9.31	88	9723	365.040	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	233571	93.777	ug/l	99
52) Toluene	10.25	92	181815	19.528	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	98088	19.139	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	115517	19.497	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	56841	19.376	ug/l	98
56) Ethyl methacrylate	10.52	69	73833	18.919	ug/l	96
57) 1,3-Dichloropropane	10.80	76	93655	18.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	202278	98.286	ug/l	100
59) 2-Hexanone	10.85	43	154208	89.955	ug/l	100
60) Dibromochloromethane	11.00	129	70994	19.027	ug/l	99
61) 1,2-Dibromoethane	11.10	107	54085	18.619	ug/l	99
64) Tetrachloroethene	10.73	164	102507	21.849	ug/l	99
65) Chlorobenzene	11.53	112	204503	20.373	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	77657	20.841	ug/l	98
67) Ethyl Benzene	11.60	91	359469	20.387	ug/l	99
68) m/p-Xylenes	11.71	106	274544	40.241	ug/l	100
69) o-Xylene	12.04	106	129691	20.302	ug/l	99
70) Styrene	12.05	104	221405	20.274	ug/l	99
71) Bromoform	12.22	173	44581	19.276	ug/l #	98
73) Isopropylbenzene	12.34	105	362295	20.852	ug/l	100
74) N-amyl acetate	12.16	43	80016	19.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	49974	18.086	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	42231m	17.726	ug/l	
77) Bromobenzene	12.62	156	86652	19.962	ug/l	98
78) n-propylbenzene	12.68	91	413985	20.532	ug/l	100
79) 2-Chlorotoluene	12.77	91	232966	20.859	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	298473	20.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21982	18.502	ug/l	97
82) 4-Chlorotoluene	12.86	91	234932	20.025	ug/l	100
83) tert-Butylbenzene	13.08	119	269692	21.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	296481	20.656	ug/l	99
85) sec-Butylbenzene	13.27	105	363501	20.744	ug/l	100
86) p-Isopropyltoluene	13.38	119	341329	20.789	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	168059	20.456	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	166010	20.406	ug/l	99
89) n-Butylbenzene	13.70	91	311349	20.830	ug/l	100
90) Hexachloroethane	13.97	117	63217	21.142	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	147523	20.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9166	17.795	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	106318	19.975	ug/l	100
94) Hexachlorobutadiene	15.12	225	65521	20.509	ug/l	99
95) Naphthalene	15.25	128	181639	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	87692	19.408	ug/l	100

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

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