

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002212.D
 Acq On : 03 Apr 2020 12:14
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:32 AM

Quant Time: Apr 04 00:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	154776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	258266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86533	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.74	113	79514	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.19	98	320729	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.49	95	112070	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31550	28.408	ug/l	99
3) Chloromethane	2.13	50	38912	21.513	ug/l	97
4) Vinyl Chloride	2.26	62	40842	22.202	ug/l	100
5) Bromomethane	2.66	94	26100	21.741	ug/l	98
6) Chloroethane	2.80	64	24991	21.157	ug/l	98
7) Trichlorofluoromethane	3.15	101	55690	22.091	ug/l	98
8) Diethyl Ether	3.55	74	22654	21.217	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36479	22.056	ug/l	98
10) Methyl Iodide	4.11	142	38861	19.760	ug/l	99
11) Tert butyl alcohol	4.97	59	38776	192.311	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	36402	21.675	ug/l	95
13) Acrolein	3.76	56	21736	86.251	ug/l	99
14) Allyl chloride	4.52	41	64109	20.852	ug/l	99
15) Acrylonitrile	5.20	53	59468	106.262	ug/l	99
16) Acetone	3.97	43	49746	103.485	ug/l	96
17) Carbon Disulfide	4.22	76	118331	21.231	ug/l	98
18) Methyl Acetate	4.51	43	27094	21.705	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	100671	21.487	ug/l	100
20) Methylene Chloride	4.75	84	50106	22.343	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	41415	21.658	ug/l	97
22) Diisopropyl ether	6.15	45	133323	21.190	ug/l	96
23) Vinyl Acetate	6.09	43	433299	105.021	ug/l	98
24) 1,1-Dichloroethane	6.05	63	71319	21.319	ug/l	96
25) 2-Butanone	7.02	43	78104	105.814	ug/l	91
26) 2,2-Dichloropropane	7.01	77	60495	21.957	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	45659	21.704	ug/l	100
28) Bromochloromethane	7.36	49	30106	19.712	ug/l	98
29) Tetrahydrofuran	7.38	42	50847	105.068	ug/l	98
30) Chloroform	7.53	83	66349	20.924	ug/l	100
31) Cyclohexane	7.81	56	73838	20.714	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	56217	21.234	ug/l	98
36) 1,1-Dichloropropene	7.94	75	55506	20.588	ug/l	98
37) Ethyl Acetate	7.10	43	34362	21.090	ug/l	98
38) Carbon Tetrachloride	7.92	117	48488	21.198	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	74275	21.003	ug/l	99
40) Benzene	8.18	78	167183	20.934	ug/l	98
41) Methacrylonitrile	7.34	41	19182m	23.276	ug/l	
42) 1,2-Dichloroethane	8.26	62	43637	20.581	ug/l	100
43) Isopropyl Acetate	8.29	43	61415	20.310	ug/l	100
44) Trichloroethene	8.96	130	40985	21.290	ug/l	95
45) 1,2-Dichloropropane	9.23	63	42864	21.079	ug/l	96
46) Dibromomethane	9.32	93	22483	21.529	ug/l	98
47) Bromodichloromethane	9.51	83	51053	21.000	ug/l	98
48) Methyl methacrylate	9.31	41	28249	20.846	ug/l	98
49) 1,4-Dioxane	9.31	88	6169	430.487	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	170954	109.790	ug/l	99
52) Toluene	10.25	92	100858	20.880	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	55986	20.749	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	65736	20.692	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	32540	21.053	ug/l	97
56) Ethyl methacrylate	10.52	69	45773	20.276	ug/l	98
57) 1,3-Dichloropropane	10.80	76	57148	20.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	128148	110.474	ug/l	100
59) 2-Hexanone	10.84	43	111254	101.431	ug/l	97
60) Dibromochloromethane	10.99	129	34421	21.282	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30168	20.854	ug/l	100
64) Tetrachloroethene	10.73	164	34432	21.791	ug/l	98
65) Chlorobenzene	11.52	112	102867	20.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	34925	20.940	ug/l	99
67) Ethyl Benzene	11.60	91	194114	20.965	ug/l	100
68) m/p-Xylenes	11.71	106	142645	41.667	ug/l	100
69) o-Xylene	12.03	106	66437	20.458	ug/l	98
70) Styrene	12.05	104	114943	20.426	ug/l	98
71) Bromoform	12.22	173	18798	20.578	ug/l #	97
73) Isopropylbenzene	12.34	105	182216	20.975	ug/l	99
74) N-amyl acetate	12.15	43	54925	20.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39209	20.974	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	23893m	18.239	ug/l	
77) Bromobenzene	12.61	156	38869	20.959	ug/l	98
78) n-propylbenzene	12.68	91	227018	21.058	ug/l	99
79) 2-Chlorotoluene	12.77	91	124932	21.106	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	150922	21.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13511	19.982	ug/l	93
82) 4-Chlorotoluene	12.86	91	130248	20.881	ug/l	99
83) tert-Butylbenzene	13.08	119	127599	21.328	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	152083	21.267	ug/l	100
85) sec-Butylbenzene	13.26	105	189078	21.338	ug/l	99
86) p-Isopropyltoluene	13.38	119	162052	21.296	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	76241	21.015	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	77542	21.240	ug/l	99
89) n-Butylbenzene	13.70	91	168294	21.226	ug/l	99
90) Hexachloroethane	13.97	117	29731	20.734	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	70860	21.150	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6127	20.461	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	46094	21.345	ug/l	97
94) Hexachlorobutadiene	15.12	225	22193	20.820	ug/l	99
95) Naphthalene	15.25	128	105307	20.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40084	20.470	ug/l	98

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

