

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001610.D
 Acq On : 12 Feb 2020 13:06
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:27:54 PM

Quant Time: Feb 13 08:00:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	191055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	328821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	142237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	97442	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.74	113	91290	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.19	98	373874	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.49	95	134270	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30982	16.566	ug/l	98
3) Chloromethane	2.13	50	41849	21.410	ug/l	98
4) Vinyl Chloride	2.26	62	43512	21.439	ug/l	97
5) Bromomethane	2.66	94	29035	22.747	ug/l	96
6) Chloroethane	2.80	64	27022	22.088	ug/l	96
7) Trichlorofluoromethane	3.14	101	58302	17.354	ug/l	100
8) Diethyl Ether	3.55	74	21782	19.213	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36641	18.127	ug/l	99
10) Methyl Iodide	4.11	142	40900	15.880	ug/l	99
11) Tert butyl alcohol	4.97	59	22872	83.167	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	36404	18.123	ug/l	98
13) Acrolein	3.75	56	16168	88.763	ug/l	98
14) Allyl chloride	4.50	41	63944	20.809	ug/l	96
15) Acrylonitrile	5.19	53	56497	108.706	ug/l	98
16) Acetone	3.97	43	53125	95.474	ug/l	97
17) Carbon Disulfide	4.21	76	116840	18.272	ug/l	99
18) Methyl Acetate	4.50	43	28932	24.365	ug/l	94
19) Methyl tert-butyl Ether	5.24	73	101223	18.949	ug/l	99
20) Methylene Chloride	4.74	84	46769	18.487	ug/l	91
21) trans-1,2-Dichloroethene	5.24	96	41825	18.730	ug/l	97
22) Diisopropyl ether	6.14	45	131972	21.678	ug/l #	96
23) Vinyl Acetate	6.08	43	421210	108.684	ug/l	96
24) 1,1-Dichloroethane	6.04	63	70999	19.389	ug/l	98
25) 2-Butanone	7.01	43	79173	109.675	ug/l	93
26) 2,2-Dichloropropane	7.00	77	62324	17.783	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	46346	19.002	ug/l	97
28) Bromochloromethane	7.35	49	27364	21.936	ug/l	87
29) Tetrahydrofuran	7.36	42	50331	116.324	ug/l	93
30) Chloroform	7.52	83	69472	18.730	ug/l	97
31) Cyclohexane	7.80	56	75503	20.157	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59345	17.647	ug/l	96
36) 1,1-Dichloropropene	7.93	75	58358	19.400	ug/l	99
37) Ethyl Acetate	7.09	43	33567	23.051	ug/l	96
38) Carbon Tetrachloride	7.91	117	50987	17.519	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76463	19.305	ug/l	98
40) Benzene	8.17	78	167862	19.564	ug/l	100
41) Methacrylonitrile	7.34	41	17842m	26.436	ug/l	
42) 1,2-Dichloroethane	8.25	62	46227	19.339	ug/l	98
43) Isopropyl Acetate	8.28	43	65884	22.851	ug/l	93
44) Trichloroethene	8.95	130	42339	18.307	ug/l	97
45) 1,2-Dichloropropane	9.22	63	42220	20.378	ug/l	100
46) Dibromomethane	9.31	93	21933	18.852	ug/l	98
47) Bromodichloromethane	9.50	83	53657	18.929	ug/l	97
48) Methyl methacrylate	9.30	41	28812	22.018	ug/l	94
49) 1,4-Dioxane	9.31	88	5694	370.593	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	167275	117.808	ug/l	95
52) Toluene	10.25	92	104746	19.240	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	57971	18.776	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	67017	18.907	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	32824	19.665	ug/l	96
56) Ethyl methacrylate	10.52	69	48220	20.310	ug/l	89
57) 1,3-Dichloropropane	10.80	76	57556	19.561	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	92685	106.121	ug/l	96
59) 2-Hexanone	10.84	43	121340	117.533	ug/l	96
60) Dibromochloromethane	10.99	129	36234	18.416	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30677	18.659	ug/l	97
64) Tetrachloroethene	10.72	164	34936	18.126	ug/l	97
65) Chlorobenzene	11.52	112	107108	18.561	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	37339	18.487	ug/l	99
67) Ethyl Benzene	11.60	91	204215	19.140	ug/l	98
68) m/p-Xylenes	11.70	106	153776	38.391	ug/l	97
69) o-Xylene	12.03	106	72380	19.165	ug/l	100
70) Styrene	12.05	104	123866	18.966	ug/l	99
71) Bromoform	12.21	173	20402	18.141	ug/l #	97
73) Isopropylbenzene	12.33	105	195981	18.066	ug/l	100
74) N-amyl acetate	12.15	43	60874	21.595	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	41186	19.983	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28024m	18.321	ug/l	
77) Bromobenzene	12.61	156	42304	18.020	ug/l	97
78) n-propylbenzene	12.67	91	242615	18.681	ug/l	98
79) 2-Chlorotoluene	12.76	91	133898	18.088	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	165012	18.062	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14590	18.456	ug/l	97
82) 4-Chlorotoluene	12.86	91	140703	18.128	ug/l	99
83) tert-Butylbenzene	13.08	119	140575	18.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	163081	18.035	ug/l	99
85) sec-Butylbenzene	13.26	105	201441	18.553	ug/l	100
86) p-Isopropyltoluene	13.38	119	179284	18.738	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82959	18.439	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	83606	18.549	ug/l	99
89) n-Butylbenzene	13.70	91	180181	19.086	ug/l	99
90) Hexachloroethane	13.97	117	32407	17.647	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	75907	18.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6701	17.611	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	50416	18.349	ug/l	98
94) Hexachlorobutadiene	15.12	225	26381	18.918	ug/l	96
95) Naphthalene	15.25	128	114526	17.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	45509	18.764	ug/l	96

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

