

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001292.D
 Acq On : 20 Jan 2020 13:58
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 10:59:51 AM

Quant Time: Jan 21 07:16:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	197117	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	344028	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	302163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	143550	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104994	50.43	ug/l	-0.01
Spiked Amount						
						Recovery = 100.86%
35) Dibromofluoromethane	7.74	113	97637	48.47	ug/l	-0.01
Spiked Amount						
						Recovery = 96.94%
50) Toluene-d8	10.19	98	402447	51.85	ug/l	0.00
Spiked Amount						
						Recovery = 103.70%
62) 4-Bromofluorobenzene	12.49	95	146928	46.30	ug/l	0.00
Spiked Amount						
						Recovery = 92.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	28460	18.800	ug/l	94
3) Chloromethane	2.13	50	43278	19.833	ug/l	100
4) Vinyl Chloride	2.26	62	45717	20.796	ug/l	97
5) Bromomethane	2.66	94	32317	27.368	ug/l	97
6) Chloroethane	2.80	64	30401	23.937	ug/l	97
7) Trichlorofluoromethane	3.14	101	60972	19.926	ug/l	99
8) Diethyl Ether	3.54	74	24827	20.880	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40187	20.403	ug/l	99
10) Methyl Iodide	4.11	142	47676	17.684	ug/l	98
11) Tert butyl alcohol	4.98	59	32460	154.965	ug/l #	93
12) 1,1-Dichloroethene	3.89	96	40389	20.043	ug/l	100
13) Acrolein	3.75	56	20013	106.129	ug/l	98
14) Allyl chloride	4.50	41	71811	21.115	ug/l	99
15) Acrylonitrile	5.19	53	63642	107.025	ug/l	100
16) Acetone	3.97	43	56440	116.731	ug/l	99
17) Carbon Disulfide	4.21	76	122428	18.772	ug/l	97
18) Methyl Acetate	4.50	43	33259	20.805	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	118552	21.269	ug/l	96
20) Methylene Chloride	4.74	84	55574	21.518	ug/l	94
21) trans-1,2-Dichloroethene	5.24	96	46816	20.489	ug/l	95
22) Diisopropyl ether	6.14	45	148712	21.408	ug/l	98
23) Vinyl Acetate	6.08	43	483967	108.938	ug/l	99
24) 1,1-Dichloroethane	6.05	63	81465	21.422	ug/l	96
25) 2-Butanone	7.01	43	89274	118.636	ug/l	94
26) 2,2-Dichloropropane	7.00	77	73067	20.894	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	53201	21.249	ug/l	99
28) Bromochloromethane	7.36	49	29553	18.924	ug/l	99
29) Tetrahydrofuran	7.37	42	55402	107.432	ug/l	96
30) Chloroform	7.53	83	79215	21.259	ug/l	98
31) Cyclohexane	7.80	56	79448	19.731	ug/l	91
32) 1,1,1-Trichloroethane	7.72	97	67764	20.496	ug/l	100
36) 1,1-Dichloropropene	7.94	75	63313	20.192	ug/l	98
37) Ethyl Acetate	7.10	43	37569	20.416	ug/l	98
38) Carbon Tetrachloride	7.92	117	58110	20.222	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	83491	19.640	ug/l	98
40) Benzene	8.18	78	190236	20.784	ug/l	99
41) Methacrylonitrile	7.35	41	23798m	27.531	ug/l	
42) 1,2-Dichloroethane	8.26	62	53002	20.680	ug/l	99
43) Isopropyl Acetate	8.29	43	73984	21.025	ug/l	98
44) Trichloroethene	8.96	130	49360	20.696	ug/l	97
45) 1,2-Dichloropropane	9.24	63	48535	21.449	ug/l	99
46) Dibromomethane	9.32	93	25926	20.999	ug/l	99
47) Bromodichloromethane	9.51	83	61878	20.565	ug/l	98
48) Methyl methacrylate	9.31	41	33014	20.274	ug/l	99
49) 1,4-Dioxane	9.31	88	6727	447.405	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	188214	105.413	ug/l	98
52) Toluene	10.26	92	119626	20.491	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	66963	19.888	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	78587	20.702	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	39076	21.349	ug/l	99
56) Ethyl methacrylate	10.52	69	56138	20.051	ug/l	98
57) 1,3-Dichloropropane	10.80	76	67282	21.412	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.80	63	103782	105.392	ug/l	99
59) 2-Hexanone	10.85	43	130486	104.277	ug/l	99
60) Dibromochloromethane	11.00	129	43173	20.486	ug/l	100
61) 1,2-Dibromoethane	11.10	107	36410	20.373	ug/l	100
64) Tetrachloroethene	10.73	164	38849	19.945	ug/l	98
65) Chlorobenzene	11.53	112	125659	20.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	43669	20.985	ug/l	97
67) Ethyl Benzene	11.60	91	233539	21.145	ug/l	100
68) m/p-Xylenes	11.71	106	175291	42.072	ug/l	100
69) o-Xylene	12.04	106	83381	20.873	ug/l	99
70) Styrene	12.05	104	145686	20.785	ug/l	98
71) Bromoform	12.22	173	24733	19.273	ug/l #	99
73) Isopropylbenzene	12.34	105	222973	20.661	ug/l	99
74) N-amyl acetate	12.16	43	70395	20.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46963	20.684	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	38186m	24.849	ug/l	
77) Bromobenzene	12.62	156	49865	20.911	ug/l	96
78) n-propylbenzene	12.68	91	272319	20.979	ug/l	100
79) 2-Chlorotoluene	12.77	91	152221	20.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	187376	20.810	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16893	18.642	ug/l #	96
82) 4-Chlorotoluene	12.86	91	161330	20.271	ug/l	97
83) tert-Butylbenzene	13.08	119	158716	20.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	190074	21.257	ug/l	100
85) sec-Butylbenzene	13.27	105	231909	21.306	ug/l	100
86) p-Isopropyltoluene	13.38	119	205497	21.745	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	97965	21.723	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	98829	21.293	ug/l	99
89) n-Butylbenzene	13.70	91	205574	21.598	ug/l	99
90) Hexachloroethane	13.97	117	38740	20.979	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	90206	21.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8303	20.273	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	60501	21.909	ug/l	100
94) Hexachlorobutadiene	15.12	225	31182	22.414	ug/l	97
95) Naphthalene	15.25	128	135266	21.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	53762	22.090	ug/l	99

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

