

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003165.D
 Acq On : 10 Jul 2020 15:57
 Operator : SY/MD
 Sample : VY0710SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0710SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:49 AM

Quant Time: Jul 11 06:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	495349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	720813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	663544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	354751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	194506	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.72	113	189235	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	10.18	98	699468	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.48	95	251802	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	77374	21.794	ug/l	100
3) Chloromethane	2.11	50	101416	20.594	ug/l	100
4) Vinyl Chloride	2.26	62	104415	20.665	ug/l	99
5) Bromomethane	2.64	94	81766	21.787	ug/l	97
6) Chloroethane	2.79	64	67212	20.253	ug/l	95
7) Trichlorofluoromethane	3.13	101	146573	20.313	ug/l	92
8) Diethyl Ether	3.54	74	49086	20.301	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	90311	20.723	ug/l	97
10) Methyl Iodide	4.10	142	92852	19.611	ug/l	99
11) Tert butyl alcohol	4.97	59	44583	98.615	ug/l	100
12) 1,1-Dichloroethene	3.88	96	83830	20.337	ug/l	95
13) Acrolein	3.73	56	39889	101.653	ug/l	99
14) Allyl chloride	4.49	41	124699	20.388	ug/l	100
15) Acrylonitrile	5.18	53	118077	101.659	ug/l	99
16) Acetone	3.95	43	95377	102.128	ug/l	99
17) Carbon Disulfide	4.20	76	258587	20.444	ug/l	98
18) Methyl Acetate	4.49	43	52106	20.091	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	231747	20.062	ug/l	96
20) Methylene Chloride	4.72	84	104756	18.873	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	93538	20.063	ug/l	99
22) Diisopropyl ether	6.13	45	276448	20.365	ug/l	98
23) Vinyl Acetate	6.07	43	912328	100.836	ug/l	99
24) 1,1-Dichloroethane	6.03	63	159702	20.307	ug/l	99
25) 2-Butanone	6.99	43	154815	100.964	ug/l	97
26) 2,2-Dichloropropane	6.99	77	141620	19.996	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	105919	20.634	ug/l	97
28) Bromochloromethane	7.35	49	71905	21.118	ug/l	100
29) Tetrahydrofuran	7.35	42	104276	101.230	ug/l	99
30) Chloroform	7.51	83	163944	20.241	ug/l	97
31) Cyclohexane	7.79	56	152986	20.117	ug/l	# 91
32) 1,1,1-Trichloroethane	7.71	97	145806	19.996	ug/l	99
36) 1,1-Dichloropropene	7.92	75	129339	19.798	ug/l	100
37) Ethyl Acetate	7.08	43	70764	20.114	ug/l	97
38) Carbon Tetrachloride	7.91	117	135202	20.047	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	164634	20.061	ug/l	96
40) Benzene	8.16	78	359000	19.957	ug/l	96
41) Methacrylonitrile	7.33	41	41823m	19.738	ug/l	
42) 1,2-Dichloroethane	8.24	62	112116	20.245	ug/l	99
43) Isopropyl Acetate	8.28	43	136745	20.080	ug/l	100
44) Trichloroethene	8.94	130	109561	19.868	ug/l	93
45) 1,2-Dichloropropane	9.22	63	93640	20.118	ug/l	100
46) Dibromomethane	9.31	93	53488	19.675	ug/l	96
47) Bromodichloromethane	9.50	83	129361	20.007	ug/l	97
48) Methyl methacrylate	9.30	41	59170	19.436	ug/l	98
49) 1,4-Dioxane	9.30	88	14192	411.326	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	351909	99.421	ug/l	100
52) Toluene	10.25	92	228596	19.882	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	135023	20.156	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	152261	19.727	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	75367	19.564	ug/l	94
56) Ethyl methacrylate	10.51	69	104044	19.866	ug/l	98
57) 1,3-Dichloropropane	10.79	76	130026	19.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	280325	104.949	ug/l	100
59) 2-Hexanone	10.83	43	250685	101.455	ug/l	99
60) Dibromochloromethane	10.99	129	96599	19.937	ug/l	99
61) 1,2-Dibromoethane	11.09	107	76222	20.047	ug/l	99
64) Tetrachloroethene	10.72	164	116362	19.668	ug/l	96
65) Chlorobenzene	11.52	112	254168	19.884	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	97502	19.639	ug/l	98
67) Ethyl Benzene	11.59	91	452181	19.812	ug/l	99
68) m/p-Xylenes	11.70	106	343655	39.683	ug/l	100
69) o-Xylene	12.03	106	162150	20.043	ug/l	99
70) Styrene	12.04	104	273444	19.758	ug/l	99
71) Bromoform	12.20	173	65412	20.074	ug/l #	99
73) Isopropylbenzene	12.33	105	444550	19.664	ug/l	100
74) N-amyl acetate	12.14	43	126018	19.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	88314	20.227	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	63338m	20.170	ug/l	
77) Bromobenzene	12.61	156	116242	20.172	ug/l	97
78) n-propylbenzene	12.67	91	531406	19.942	ug/l	100
79) 2-Chlorotoluene	12.75	91	295664	19.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	378292	20.077	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30134	18.676	ug/l	99
82) 4-Chlorotoluene	12.85	91	311142	20.050	ug/l	99
83) tert-Butylbenzene	13.08	119	331484	19.938	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	379344	20.010	ug/l	100
85) sec-Butylbenzene	13.25	105	458901	20.083	ug/l	100
86) p-Isopropyltoluene	13.37	119	426004	19.966	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	217557	19.964	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	216090	20.029	ug/l	98
89) n-Butylbenzene	13.69	91	404743	20.168	ug/l	99
90) Hexachloroethane	13.96	117	77022	19.823	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	192941	20.175	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14079	19.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	139558	20.513	ug/l	99
94) Hexachlorobutadiene	15.11	225	97288	20.869	ug/l	98
95) Naphthalene	15.23	128	228309	20.306	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	109461	20.354	ug/l	98

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

