

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001206.D
 Acq On : 14 Jan 2020 16:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:30 AM

Quant Time: Jan 15 02:07:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	192394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	338635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	305157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	99000	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
35) Dibromofluoromethane	7.73	113	92182	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.98%	
50) Toluene-d8	10.18	98	374409	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.48	95	145078	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	72402	49.001	ug/l	100
3) Chloromethane	2.12	50	108782	51.076	ug/l	99
4) Vinyl Chloride	2.26	62	114569	53.396	ug/l	100
5) Bromomethane	2.65	94	77435	67.187	ug/l	95
6) Chloroethane	2.80	64	72911	58.818	ug/l	100
7) Trichlorofluoromethane	3.13	101	140929	47.187	ug/l	97
8) Diethyl Ether	3.54	74	59960	51.667	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	91712	47.706	ug/l	98
10) Methyl Iodide	4.10	142	130179	49.472	ug/l	99
11) Tert butyl alcohol	4.96	59	56509	276.397	ug/l	99
12) 1,1-Dichloroethene	3.88	96	97184	49.412	ug/l	98
13) Acrolein	3.74	56	45310	246.176	ug/l	99
14) Allyl chloride	4.49	41	171121	51.550	ug/l	99
15) Acrylonitrile	5.18	53	157759	271.810	ug/l	99
16) Acetone	3.96	43	136037	288.263	ug/l	100
17) Carbon Disulfide	4.20	76	317368	49.856	ug/l	99
18) Methyl Acetate	4.49	43	81565	52.276	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	282370	51.902	ug/l	99
20) Methylene Chloride	4.72	84	116817	53.504	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	113423	50.859	ug/l	96
22) Diisopropyl ether	6.13	45	355320	52.407	ug/l	98
23) Vinyl Acetate	6.07	43	1180293	272.199	ug/l	100
24) 1,1-Dichloroethane	6.03	63	191437	51.575	ug/l	98
25) 2-Butanone	7.00	43	211683	288.211	ug/l	99
26) 2,2-Dichloropropane	6.99	77	165961	48.622	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	128239	52.477	ug/l	99
28) Bromochloromethane	7.35	49	83595	54.845	ug/l	100
29) Tetrahydrofuran	7.36	42	137877	273.927	ug/l	98
30) Chloroform	7.52	83	187630	51.590	ug/l	100
31) Cyclohexane	7.79	56	179912	45.779	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	158628	49.157	ug/l	99
36) 1,1-Dichloropropene	7.92	75	148442	48.095	ug/l	99
37) Ethyl Acetate	7.08	43	92624	51.135	ug/l	98
38) Carbon Tetrachloride	7.91	117	136574	48.283	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	196348	46.924	ug/l	99
40) Benzene	8.17	78	461487	51.222	ug/l	99
41) Methacrylonitrile	7.33	41	43661m	51.314	ug/l	
42) 1,2-Dichloroethane	8.25	62	128063	50.763	ug/l	99
43) Isopropyl Acetate	8.28	43	181663	52.448	ug/l	98
44) Trichloroethene	8.94	130	118577	50.509	ug/l	98
45) 1,2-Dichloropropane	9.22	63	115252	51.744	ug/l	95
46) Dibromomethane	9.31	93	63425	52.190	ug/l	100
47) Bromodichloromethane	9.50	83	151154	51.036	ug/l	99
48) Methyl methacrylate	9.30	41	82996	51.780	ug/l	98
49) 1,4-Dioxane	9.30	88	18297	1236.292	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	463520	263.737	ug/l	100
52) Toluene	10.24	92	294175	51.194	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	171174	51.649	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	192433	51.499	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	92725	51.467	ug/l	99
56) Ethyl methacrylate	10.51	69	142246	51.615	ug/l	98
57) 1,3-Dichloropropane	10.79	76	162653	52.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	215586	222.417	ug/l	100
59) 2-Hexanone	10.83	43	336121	272.887	ug/l	99
60) Dibromochloromethane	10.99	129	106821	51.496	ug/l	99
61) 1,2-Dibromoethane	11.09	107	90791	51.610	ug/l	100
64) Tetrachloroethene	10.72	164	93866	47.717	ug/l	99
65) Chlorobenzene	11.52	112	310833	50.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	108192	51.482	ug/l	99
67) Ethyl Benzene	11.59	91	563371	50.507	ug/l	99
68) m/p-Xylenes	11.70	106	431286	102.498	ug/l	99
69) o-Xylene	12.03	106	206038	51.072	ug/l	99
70) Styrene	12.04	104	365427	51.624	ug/l	99
71) Bromoform	12.20	173	66689	51.457	ug/l	99
73) Isopropylbenzene	12.33	105	543780	48.576	ug/l	100
74) N-amyl acetate	12.14	43	179388	51.348	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	118340	50.246	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	95172m	59.704	ug/l	
77) Bromobenzene	12.61	156	124115	50.177	ug/l	97
78) n-propylbenzene	12.67	91	662737	49.219	ug/l	99
79) 2-Chlorotoluene	12.75	91	383219	49.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	466990	49.997	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45603	48.513	ug/l #	99
82) 4-Chlorotoluene	12.85	91	410411	49.713	ug/l	99
83) tert-Butylbenzene	13.07	119	382603	48.750	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	469949	50.665	ug/l	100
85) sec-Butylbenzene	13.25	105	557496	49.377	ug/l	100
86) p-Isopropyltoluene	13.37	119	495013	50.496	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	242339	51.805	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	244434	50.770	ug/l	99
89) n-Butylbenzene	13.69	91	498074	50.446	ug/l	99
90) Hexachloroethane	13.95	117	94687	49.433	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	223363	51.376	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20686	48.690	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	145821	50.907	ug/l	100
94) Hexachlorobutadiene	15.11	225	70544	48.884	ug/l	100
95) Naphthalene	15.23	128	338413	50.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	126681	50.180	ug/l	100

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

