

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
 Data File : VY001413.D
 Acq On : 29 Jan 2020 10:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:22 AM

Quant Time: Jan 29 15:23:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	195241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	342157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	304125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	110510	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.75	113	105530	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.19	98	432172	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	
62) 4-Bromofluorobenzene	12.49	95	161616	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	79252	51.473	ug/l	98
3) Chloromethane	2.13	50	116549	50.084	ug/l	99
4) Vinyl Chloride	2.27	62	124620	51.360	ug/l	99
5) Bromomethane	2.67	94	80404	49.202	ug/l	98
6) Chloroethane	2.82	64	80586	51.975	ug/l	97
7) Trichlorofluoromethane	3.15	101	166940	53.773	ug/l	98
8) Diethyl Ether	3.56	74	64678	49.352	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	109830	55.552	ug/l	99
10) Methyl Iodide	4.12	142	136669	52.412	ug/l	99
11) Tert butyl alcohol	4.99	59	60323	223.823	ug/l	100
12) 1,1-Dichloroethene	3.90	96	109958	53.044	ug/l	95
13) Acrolein	3.76	56	43929	280.351	ug/l	100
14) Allyl chloride	4.52	41	199794	54.046	ug/l	98
15) Acrylonitrile	5.21	53	166492	248.185	ug/l	100
16) Acetone	3.98	43	164494	295.294	ug/l	99
17) Carbon Disulfide	4.22	76	324683	49.801	ug/l	98
18) Methyl Acetate	4.51	43	85118	47.510	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	306375	50.477	ug/l	100
20) Methylene Chloride	4.76	84	133331	50.899	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	123447	51.267	ug/l	95
22) Diisopropyl ether	6.16	45	414411	52.791	ug/l	96
23) Vinyl Acetate	6.10	43	1313710	257.778	ug/l	99
24) 1,1-Dichloroethane	6.07	63	221022	53.417	ug/l	97
25) 2-Butanone	7.02	43	235354	254.520	ug/l	99
26) 2,2-Dichloropropane	7.02	77	195712	53.101	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	141462	52.567	ug/l	98
28) Bromochloromethane	7.36	49	98271	57.590	ug/l	98
29) Tetrahydrofuran	7.38	42	145573	241.978	ug/l	98
30) Chloroform	7.54	83	213268	52.585	ug/l	99
31) Cyclohexane	7.82	56	210494	51.238	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	185516	54.174	ug/l	99
36) 1,1-Dichloropropene	7.95	75	173764	53.755	ug/l	100
37) Ethyl Acetate	7.11	43	98777	50.014	ug/l	100
38) Carbon Tetrachloride	7.93	117	159002	55.192	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	221525	53.495	ug/l	98
40) Benzene	8.19	78	514638	53.097	ug/l	99
41) Methacrylonitrile	7.35	41	50810m	49.855	ug/l	
42) 1,2-Dichloroethane	8.27	62	140508	51.882	ug/l	100
43) Isopropyl Acetate	8.30	43	196421	51.147	ug/l	99
44) Trichloroethene	8.96	130	130144	52.325	ug/l	96
45) 1,2-Dichloropropane	9.24	63	131926	53.843	ug/l	100
46) Dibromomethane	9.33	93	67550	51.353	ug/l	98
47) Bromodichloromethane	9.52	83	168693	53.647	ug/l	98
48) Methyl methacrylate	9.31	41	88885	50.913	ug/l	97
49) 1,4-Dioxane	9.32	88	18582	1001.739	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	493542	249.552	ug/l	100
52) Toluene	10.26	92	330134	53.732	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	185819	53.314	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	212285	53.065	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	102277	52.679	ug/l	96
56) Ethyl methacrylate	10.52	69	151415	51.599	ug/l	96
57) 1,3-Dichloropropane	10.80	76	177705	52.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	243672	239.972	ug/l	99
59) 2-Hexanone	10.85	43	358671	260.506	ug/l	100
60) Dibromochloromethane	11.00	129	115540	53.208	ug/l	99
61) 1,2-Dibromoethane	11.10	107	96781	52.730	ug/l	100
64) Tetrachloroethene	10.74	164	100926	51.953	ug/l	99
65) Chlorobenzene	11.53	112	341275	53.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	117623	53.766	ug/l	99
67) Ethyl Benzene	11.61	91	634608	53.717	ug/l	99
68) m/p-Xylenes	11.72	106	473138	107.231	ug/l	100
69) o-Xylene	12.04	106	227231	53.533	ug/l	100
70) Styrene	12.06	104	396269	53.209	ug/l	100
71) Bromoform	12.22	173	65678	50.292	ug/l #	99
73) Isopropylbenzene	12.34	105	616266	55.103	ug/l	100
74) N-amyl acetate	12.16	43	186251	50.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	128265	53.551	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	92021m	53.880	ug/l	
77) Bromobenzene	12.62	156	132486	53.484	ug/l	97
78) n-propylbenzene	12.69	91	752014	55.864	ug/l	99
79) 2-Chlorotoluene	12.77	91	424287	55.172	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	510980	54.735	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48711	53.973	ug/l	93
82) 4-Chlorotoluene	12.87	91	446958	54.411	ug/l	99
83) tert-Butylbenzene	13.09	119	437687	55.621	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	507542	54.152	ug/l	100
85) sec-Butylbenzene	13.27	105	632727	56.593	ug/l	100
86) p-Isopropyltoluene	13.38	119	543949	55.209	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	256165	53.695	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	256800	53.015	ug/l	99
89) n-Butylbenzene	13.71	91	551860	55.655	ug/l	99
90) Hexachloroethane	13.97	117	105334	56.402	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	233297	53.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20648	49.958	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	147226	49.857	ug/l	99
94) Hexachlorobutadiene	15.13	225	74343	51.705	ug/l	99
95) Naphthalene	15.25	128	334989	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	127685	49.292	ug/l	99

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

