

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013120\
 Data File : VY001445.D
 Acq On : 31 Jan 2020 10:59
 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
 2/3/2020 10:53:03 AM

Quant Time: Jan 31 13:34:48 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	186463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	328678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	291111	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	139476	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	101454	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
35) Dibromofluoromethane	7.75	113	95395	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.20	98	391542	52.24	ug/l	0.01
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.50	95	148353	49.71	ug/l	0.01
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	63839	43.414	ug/l	99
3) Chloromethane	2.13	50	92282	41.523	ug/l	98
4) Vinyl Chloride	2.27	62	99658	43.006	ug/l	94
5) Bromomethane	2.68	94	65890	42.219	ug/l	99
6) Chloroethane	2.82	64	64786	43.752	ug/l	99
7) Trichlorofluoromethane	3.15	101	136700	46.105	ug/l	95
8) Diethyl Ether	3.57	74	53453	42.707	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	90640	48.004	ug/l	99
10) Methyl Iodide	4.13	142	108204	43.449	ug/l	99
11) Tert butyl alcohol	5.00	59	48708	185.986	ug/l	99
12) 1,1-Dichloroethene	3.91	96	88241	44.571	ug/l	95
13) Acrolein	3.77	56	41360	276.189	ug/l	100
14) Allyl chloride	4.52	41	160127	45.355	ug/l	99
15) Acrylonitrile	5.21	53	144019	224.792	ug/l	99
16) Acetone	3.99	43	150017	281.631	ug/l	97
17) Carbon Disulfide	4.23	76	256062	41.125	ug/l	100
18) Methyl Acetate	4.52	43	73323	42.853	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	255769	44.123	ug/l	99
20) Methylene Chloride	4.76	84	102528	40.080	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	100551	43.724	ug/l	98
22) Diisopropyl ether	6.16	45	337610	45.032	ug/l	99
23) Vinyl Acetate	6.10	43	1102399	226.498	ug/l	99
24) 1,1-Dichloroethane	6.07	63	178290	45.118	ug/l	97
25) 2-Butanone	7.03	43	210593	238.464	ug/l	98
26) 2,2-Dichloropropane	7.02	77	160298	45.540	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	115479	44.932	ug/l	99
28) Bromochloromethane	7.37	49	93639	57.459	ug/l	97
29) Tetrahydrofuran	7.38	42	125411	218.277	ug/l	99
30) Chloroform	7.54	83	172754	44.601	ug/l	100
31) Cyclohexane	7.82	56	174419	44.455	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	150845	46.123	ug/l	100
36) 1,1-Dichloropropene	7.95	75	141041	45.421	ug/l	99
37) Ethyl Acetate	7.11	43	83399	43.959	ug/l	100
38) Carbon Tetrachloride	7.94	117	128712	46.510	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	184038	46.265	ug/l	97
40) Benzene	8.19	78	419182	45.022	ug/l	100
41) Methacrylonitrile	7.35	41	44398m	45.350	ug/l	
42) 1,2-Dichloroethane	8.27	62	114178	43.888	ug/l	100
43) Isopropyl Acetate	8.30	43	168067	45.559	ug/l	100
44) Trichloroethene	8.97	130	105311	44.077	ug/l	100
45) 1,2-Dichloropropane	9.24	63	108771	46.213	ug/l	97
46) Dibromomethane	9.33	93	56452	44.676	ug/l	97
47) Bromodichloromethane	9.52	83	137033	45.366	ug/l	99
48) Methyl methacrylate	9.32	41	74597	44.481	ug/l	98
49) 1,4-Dioxane	9.33	88	14674	823.504	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	432780	227.803	ug/l	99
52) Toluene	10.27	92	270388	45.813	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	153194	45.756	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	175506	45.671	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	84349	45.227	ug/l	98
56) Ethyl methacrylate	10.53	69	128566	45.610	ug/l	98
57) 1,3-Dichloropropane	10.81	76	147529	45.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	215427	220.856	ug/l	100
59) 2-Hexanone	10.85	43	325146	245.841	ug/l	100
60) Dibromochloromethane	11.00	129	94069	45.097	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80095	45.428	ug/l	100
64) Tetrachloroethene	10.74	164	85073	45.750	ug/l	97
65) Chlorobenzene	11.53	112	277238	45.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	97474	46.547	ug/l	100
67) Ethyl Benzene	11.61	91	522197	46.178	ug/l	98
68) m/p-Xylenes	11.72	106	390124	92.369	ug/l	100
69) o-Xylene	12.05	106	185990	45.776	ug/l	100
70) Styrene	12.06	104	330299	46.333	ug/l	99
71) Bromoform	12.22	173	56275	45.019	ug/l #	99
73) Isopropylbenzene	12.35	105	508498	46.203	ug/l	99
74) N-amyl acetate	12.16	43	164505	45.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	108633	46.089	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	72385m	43.068	ug/l	
77) Bromobenzene	12.63	156	109361	44.863	ug/l	98
78) n-propylbenzene	12.69	91	620063	46.807	ug/l	100
79) 2-Chlorotoluene	12.77	91	344404	45.509	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	424721	46.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	40798	45.937	ug/l	98
82) 4-Chlorotoluene	12.87	91	362162	44.801	ug/l	100
83) tert-Butylbenzene	13.09	119	356582	46.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	421361	45.684	ug/l	99
85) sec-Butylbenzene	13.27	105	523902	47.618	ug/l	100
86) p-Isopropyltoluene	13.38	119	457494	47.185	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	213222	45.417	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	214799	45.061	ug/l	99
89) n-Butylbenzene	13.71	91	464154	47.567	ug/l	99
90) Hexachloroethane	13.97	117	88096	47.935	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	194340	44.885	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	18357	45.133	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	128764	44.311	ug/l	100
94) Hexachlorobutadiene	15.13	225	64110	45.309	ug/l	97
95) Naphthalene	15.25	128	303015	45.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113934	44.696	ug/l	99

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

