

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002039.D
 Acq On : 20 Mar 2020 16:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:21:28 PM

Quant Time: Mar 20 17:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156148	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	287311	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	259029	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	121394	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	87142	52.28	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.56%	
35) Dibromofluoromethane	7.73	113	81935	52.23	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.46%	
50) Toluene-d8	10.18	98	336292	50.83	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.49	95	119789	52.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	62776	43.553	ug/l	100
3) Chloromethane	2.12	50	90086	46.358	ug/l	100
4) Vinyl Chloride	2.26	62	93920	47.515	ug/l	96
5) Bromomethane	2.65	94	63233	55.404	ug/l	97
6) Chloroethane	2.80	64	63606	51.226	ug/l	98
7) Trichlorofluoromethane	3.13	101	134060	50.009	ug/l	90
8) Diethyl Ether	3.54	74	56060	53.060	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	88128	51.112	ug/l	99
10) Methyl Iodide	4.10	142	105824	53.073	ug/l	99
11) Tert butyl alcohol	4.96	59	49780	290.628	ug/l	96
12) 1,1-Dichloroethene	3.88	96	87605	50.461	ug/l	98
13) Acrolein	3.74	56	44286	189.054	ug/l	96
14) Allyl chloride	4.49	41	164614	53.485	ug/l	99
15) Acrylonitrile	5.18	53	146134	258.835	ug/l	99
16) Acetone	3.96	43	106536	219.424	ug/l	98
17) Carbon Disulfide	4.21	76	265023	45.411	ug/l	99
18) Methyl Acetate	4.48	43	63997	51.299	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	253341	53.849	ug/l	96
20) Methylene Chloride	4.72	84	104977	50.449	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	101498	51.509	ug/l	99
22) Diisopropyl ether	6.13	45	350105	55.494	ug/l	97
23) Vinyl Acetate	6.07	43	1118651	270.476	ug/l	98
24) 1,1-Dichloroethane	6.03	63	183714	53.774	ug/l	99
25) 2-Butanone	6.99	43	184362	249.694	ug/l	100
26) 2,2-Dichloropropane	6.99	77	150859	53.799	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	115351	53.815	ug/l	98
28) Bromochloromethane	7.34	49	82591	53.633	ug/l	100
29) Tetrahydrofuran	7.35	42	124113	253.130	ug/l	100
30) Chloroform	7.52	83	177141	55.187	ug/l	96
31) Cyclohexane	7.79	56	176640	48.221	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	148833	55.014	ug/l	98
36) 1,1-Dichloropropene	7.93	75	141737	51.265	ug/l	99
37) Ethyl Acetate	7.08	43	82195	51.151	ug/l	99
38) Carbon Tetrachloride	7.91	117	124847	52.860	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	183230	49.967	ug/l	99
40) Benzene	8.17	78	428561	52.296	ug/l	100
41) Methacrylonitrile	7.33	41	49856m	68.941	ug/l	
42) 1,2-Dichloroethane	8.24	62	114035	54.002	ug/l	98
43) Isopropyl Acetate	8.28	43	159282	52.355	ug/l	99
44) Trichloroethene	8.94	130	103170	51.693	ug/l	99
45) 1,2-Dichloropropane	9.22	63	113243	54.971	ug/l	98
46) Dibromomethane	9.31	93	55655	52.426	ug/l	99
47) Bromodichloromethane	9.50	83	137557	55.703	ug/l	100
48) Methyl methacrylate	9.30	41	72121	53.424	ug/l	97
49) 1,4-Dioxane	9.30	88	14324	984.707	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	417455	266.401	ug/l	99
52) Toluene	10.25	92	264815	53.195	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	150455	55.922	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	175281	54.726	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	82307	52.977	ug/l	97
56) Ethyl methacrylate	10.51	69	123752	54.343	ug/l	99
57) 1,3-Dichloropropane	10.79	76	148796	53.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	205095	258.759	ug/l	99
59) 2-Hexanone	10.83	43	280914	251.161	ug/l	99
60) Dibromochloromethane	10.99	129	91834	56.095	ug/l	100
61) 1,2-Dibromoethane	11.09	107	78135	53.093	ug/l	100
64) Tetrachloroethene	10.72	164	84656	52.115	ug/l	96
65) Chlorobenzene	11.52	112	271860	52.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	94208	55.661	ug/l	99
67) Ethyl Benzene	11.60	91	511722	53.162	ug/l	99
68) m/p-Xylenes	11.71	106	379778	106.718	ug/l	100
69) o-Xylene	12.03	106	180259	53.741	ug/l	99
70) Styrene	12.05	104	316238	55.048	ug/l	99
71) Bromoform	12.21	173	50997	55.559	ug/l #	99
73) Isopropylbenzene	12.33	105	488757	52.742	ug/l	100
74) N-amyl acetate	12.14	43	149244	52.401	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	103729	51.906	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	77794m	54.008	ug/l	
77) Bromobenzene	12.61	156	108791	55.410	ug/l	93
78) n-propylbenzene	12.67	91	603515	52.789	ug/l	100
79) 2-Chlorotoluene	12.76	91	335588	53.130	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	407154	53.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	35988	50.467	ug/l	98
82) 4-Chlorotoluene	12.86	91	352305	53.570	ug/l	100
83) tert-Butylbenzene	13.08	119	340992	53.815	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	403175	53.252	ug/l	100
85) sec-Butylbenzene	13.25	105	500024	53.537	ug/l	100
86) p-Isopropyltoluene	13.37	119	433153	53.763	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	202302	52.581	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	205520	52.655	ug/l	99
89) n-Butylbenzene	13.70	91	444113	53.131	ug/l	99
90) Hexachloroethane	13.96	117	82392	54.208	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	185549	53.085	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15769	50.568	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	118416	52.240	ug/l	97
94) Hexachlorobutadiene	15.11	225	59322	53.679	ug/l	100
95) Naphthalene	15.24	128	304737	56.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	105201	52.683	ug/l	99

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

