

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001918.D
 Acq On : 10 Mar 2020 12:33
 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
 3/11/2020 3:22:40 PM

Quant Time: Mar 11 04:32:01 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	178854	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	320981	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.51	117	286111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.48	152	133237	50.00	ug/l	0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95689	50.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.72	113	91401	52.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.19	98	379952	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.50	95	134392	52.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	69411	42.043	ug/l	97
3) Chloromethane	2.12	50	95514	42.911	ug/l	100
4) Vinyl Chloride	2.26	62	102011	45.056	ug/l	99
5) Bromomethane	2.65	94	66005	49.902	ug/l	100
6) Chloroethane	2.80	64	63232	44.460	ug/l	96
7) Trichlorofluoromethane	3.13	101	137642	44.827	ug/l	97
8) Diethyl Ether	3.54	74	56091	46.349	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	90851	46.002	ug/l	100
10) Methyl Iodide	4.10	142	108525	47.518	ug/l	98
11) Tert butyl alcohol	4.97	59	46380	231.771	ug/l	99
12) 1,1-Dichloroethene	3.88	96	91801	46.165	ug/l	94
13) Acrolein	3.74	56	69507	259.051	ug/l	97
14) Allyl chloride	4.49	41	162163	46.000	ug/l	99
15) Acrylonitrile	5.18	53	144785	223.889	ug/l	99
16) Acetone	3.96	43	149920	269.578	ug/l	98
17) Carbon Disulfide	4.20	76	297150	44.452	ug/l	98
18) Methyl Acetate	4.49	43	61905	43.323	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	251850	46.736	ug/l	99
20) Methylene Chloride	4.72	84	103707	43.511	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	103323	45.778	ug/l	95
22) Diisopropyl ether	6.13	45	333876	46.203	ug/l	97
23) Vinyl Acetate	6.07	43	1089038	229.887	ug/l	97
24) 1,1-Dichloroethane	6.03	63	180537	46.135	ug/l	99
25) 2-Butanone	7.00	43	201743	238.546	ug/l	97
26) 2,2-Dichloropropane	6.99	77	154218	48.015	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	113087	46.061	ug/l	99
28) Bromochloromethane	7.35	49	83903	47.568	ug/l	97
29) Tetrahydrofuran	7.36	42	123665	220.197	ug/l	99
30) Chloroform	7.52	83	169327	46.056	ug/l	96
31) Cyclohexane	7.80	56	186429	44.432	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	144452	46.616	ug/l	99
36) 1,1-Dichloropropene	7.93	75	144744	46.861	ug/l	99
37) Ethyl Acetate	7.08	43	82524	45.969	ug/l	99
38) Carbon Tetrachloride	7.91	117	122689	46.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	192151	46.903	ug/l	98
40) Benzene	8.17	78	428198	46.771	ug/l	100
41) Methacrylonitrile	7.33	41	45654m	56.508	ug/l	
42) 1,2-Dichloroethane	8.25	62	109364	46.357	ug/l	99
43) Isopropyl Acetate	8.28	43	156636	46.085	ug/l	99
44) Trichloroethene	8.95	130	103608	46.467	ug/l	97
45) 1,2-Dichloropropane	9.23	63	108562	47.171	ug/l	98
46) Dibromomethane	9.32	93	54663	46.090	ug/l	99
47) Bromodichloromethane	9.51	83	130327	47.239	ug/l	98
48) Methyl methacrylate	9.30	41	72486	48.062	ug/l	98
49) 1,4-Dioxane	9.31	88	14482	891.136	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	405948	231.883	ug/l	99
52) Toluene	10.25	92	261054	46.938	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	145670	48.464	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	168885	47.198	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	81698	47.069	ug/l	98
56) Ethyl methacrylate	10.52	69	121190	47.636	ug/l	98
57) 1,3-Dichloropropane	10.80	76	144934	46.844	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	212332	237.085	ug/l	100
59) 2-Hexanone	10.85	43	299102	239.370	ug/l	99
60) Dibromochloromethane	11.00	129	86552	47.323	ug/l	97
61) 1,2-Dibromoethane	11.11	107	76100	46.286	ug/l	99
64) Tetrachloroethene	10.74	164	81956	45.677	ug/l	98
65) Chlorobenzene	11.53	112	266910	46.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	89291	47.762	ug/l	99
67) Ethyl Benzene	11.61	91	502492	47.262	ug/l	98
68) m/p-Xylenes	11.72	106	373231	94.951	ug/l	100
69) o-Xylene	12.05	106	175269	47.307	ug/l	99
70) Styrene	12.06	104	305633	48.166	ug/l	99
71) Bromoform	12.23	173	49227	48.554	ug/l #	100
73) Isopropylbenzene	12.35	105	479876	47.181	ug/l	100
74) N-amyl acetate	12.17	43	144509	46.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.61	83	102070	46.536	ug/l	99
76) 1,2,3-Trichloropropane	12.66	75	75536m	47.779	ug/l	
77) Bromobenzene	12.63	156	100210	46.503	ug/l	98
78) n-propylbenzene	12.70	91	589929	47.014	ug/l	100
79) 2-Chlorotoluene	12.78	91	323460	46.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.84	105	393695	47.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	37612	48.056	ug/l	100
82) 4-Chlorotoluene	12.89	91	338625	46.913	ug/l	100
83) tert-Butylbenzene	13.11	119	332011	47.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.16	105	392637	47.251	ug/l	99
85) sec-Butylbenzene	13.30	105	491947	47.991	ug/l	100
86) p-Isopropyltoluene	13.42	119	423844	47.931	ug/l	100
87) 1,3-Dichlorobenzene	13.41	146	196692	46.579	ug/l	99
88) 1,4-Dichlorobenzene	13.50	146	196795m	45.938	ug/l	
89) n-Butylbenzene	13.77	91	433512	47.253	ug/l	99
90) Hexachloroethane	14.05	117	80404	48.198	ug/l	100
91) 1,2-Dichlorobenzene	13.81	146	180315	47.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	15663	45.764	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.25	180	115968	46.613	ug/l	97
94) Hexachlorobutadiene	15.38	225	57737m	47.601	ug/l	
95) Naphthalene	15.52	128	276337m	46.827	ug/l	
96) 1,2,3-Trichlorobenzene	15.73	180	103353m	47.157	ug/l	

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

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