

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001971.D
 Acq On : 16 Mar 2020 10:21
 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
 3/17/2020 12:06:26 PM

Quant Time: Mar 17 08:14:42 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	7.82	168	175618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	317338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	91090	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.75	113	88003	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.20	98	364000	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.49	95	126347	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	74430	45.914	ug/l	97
3) Chloromethane	2.13	50	104258	47.703	ug/l	98
4) Vinyl Chloride	2.27	62	109150	49.098	ug/l	98
5) Bromomethane	2.68	94	70371	54.752	ug/l	98
6) Chloroethane	2.82	64	69448	49.730	ug/l	93
7) Trichlorofluoromethane	3.16	101	153327	50.855	ug/l	99
8) Diethyl Ether	3.57	74	60565	50.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	101182	52.177	ug/l	99
10) Methyl Iodide	4.13	142	120948	53.933	ug/l	100
11) Tert butyl alcohol	5.00	59	44798	227.585	ug/l	100
12) 1,1-Dichloroethene	3.91	96	100185	51.310	ug/l	98
13) Acrolein	3.77	56	61268	232.552	ug/l	99
14) Allyl chloride	4.52	41	180487	52.141	ug/l	100
15) Acrylonitrile	5.21	53	159263	250.815	ug/l	99
16) Acetone	3.99	43	155252	284.310	ug/l	97
17) Carbon Disulfide	4.24	76	316169	48.169	ug/l	99
18) Methyl Acetate	4.52	43	68442	48.780	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	277011	52.352	ug/l	95
20) Methylene Chloride	4.77	84	113371	48.442	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	113430	51.182	ug/l	96
22) Diisopropyl ether	6.16	45	369550	52.083	ug/l	96
23) Vinyl Acetate	6.10	43	1203494	258.729	ug/l	99
24) 1,1-Dichloroethane	6.07	63	199906	52.026	ug/l	99
25) 2-Butanone	7.03	43	221038	266.177	ug/l	99
26) 2,2-Dichloropropane	7.02	77	168026	53.278	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	126770	52.586	ug/l	100
28) Bromochloromethane	7.37	49	84060	48.535	ug/l	98
29) Tetrahydrofuran	7.38	42	134677	244.224	ug/l	99
30) Chloroform	7.54	83	192251	53.254	ug/l	100
31) Cyclohexane	7.82	56	199295	48.374	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	161805	53.178	ug/l	99
36) 1,1-Dichloropropene	7.95	75	157891	51.704	ug/l	99
37) Ethyl Acetate	7.11	43	88838	50.054	ug/l	98
38) Carbon Tetrachloride	7.93	117	139994	53.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	210385	51.943	ug/l	99
40) Benzene	8.19	78	474545	52.428	ug/l	99
41) Methacrylonitrile	7.35	41	46571m	58.305	ug/l	
42) 1,2-Dichloroethane	8.27	62	121790	52.217	ug/l	99
43) Isopropyl Acetate	8.30	43	172539	51.346	ug/l	99
44) Trichloroethene	8.97	130	115891	52.573	ug/l	98
45) 1,2-Dichloropropane	9.24	63	120172	52.815	ug/l	99
46) Dibromomethane	9.33	93	60242	51.377	ug/l	99
47) Bromodichloromethane	9.52	83	148434	54.420	ug/l	98
48) Methyl methacrylate	9.31	41	76171	51.085	ug/l	94
49) 1,4-Dioxane	9.32	88	15233	948.109	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	448257	258.990	ug/l	99
52) Toluene	10.26	92	291547	53.023	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	162705	54.753	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	190638	53.889	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	90057	52.481	ug/l	99
56) Ethyl methacrylate	10.53	69	135650	53.931	ug/l	98
57) 1,3-Dichloropropane	10.81	76	161297	52.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	201582	226.200	ug/l	100
59) 2-Hexanone	10.85	43	323058	261.510	ug/l	98
60) Dibromochloromethane	11.00	129	99559	55.060	ug/l	99
61) 1,2-Dibromoethane	11.11	107	85881	52.834	ug/l	100
64) Tetrachloroethene	10.74	164	94632	53.337	ug/l	98
65) Chlorobenzene	11.53	112	297704	52.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	101283	54.788	ug/l	100
67) Ethyl Benzene	11.61	91	560529	53.316	ug/l	99
68) m/p-Xylenes	11.72	106	416413	107.132	ug/l	100
69) o-Xylene	12.05	106	195788	53.443	ug/l	99
70) Styrene	12.06	104	345803	55.112	ug/l	99
71) Bromoform	12.22	173	56616	56.473	ug/l #	99
73) Isopropylbenzene	12.34	105	535544	53.226	ug/l	99
74) N-amyl acetate	12.16	43	156172	50.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	112111	51.669	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	80978m	51.778	ug/l	
77) Bromobenzene	12.62	156	113067	53.039	ug/l	98
78) n-propylbenzene	12.69	91	659191	53.104	ug/l	100
79) 2-Chlorotoluene	12.77	91	362665	52.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	437870	52.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41900	54.117	ug/l	98
82) 4-Chlorotoluene	12.87	91	379410	53.135	ug/l	100
83) tert-Butylbenzene	13.09	119	373255	54.254	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	438225	53.310	ug/l	100
85) sec-Butylbenzene	13.27	105	543830	53.628	ug/l	100
86) p-Isopropyltoluene	13.38	119	465336	53.195	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	217973	52.179	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	222682	52.546	ug/l	100
89) n-Butylbenzene	13.71	91	478350	52.707	ug/l	100
90) Hexachloroethane	13.97	117	91297	55.322	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	200263	52.769	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17147	50.644	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	128172	52.078	ug/l	98
94) Hexachlorobutadiene	15.12	225	63961	53.305	ug/l	99
95) Naphthalene	15.25	128	299071	51.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113274	52.245	ug/l	99

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

