

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002012.D
 Acq On : 19 Mar 2020 11:20
 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
 3/20/2020 12:06:12 PM

Quant Time: Mar 20 02:11:38 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	162462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	291086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	261384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	88527	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.75	113	84267	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.19	98	345930	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.49	95	121681	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	61260	40.850	ug/l	98
3) Chloromethane	2.13	50	85321	42.199	ug/l	100
4) Vinyl Chloride	2.27	62	90920	44.209	ug/l	98
5) Bromomethane	2.67	94	60425	50.345	ug/l	99
6) Chloroethane	2.82	64	58635	45.387	ug/l	94
7) Trichlorofluoromethane	3.15	101	125068	44.841	ug/l	93
8) Diethyl Ether	3.56	74	52320	47.595	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	85154	47.468	ug/l	99
10) Methyl Iodide	4.13	142	103114	49.704	ug/l	99
11) Tert butyl alcohol	4.99	59	53269	299.619	ug/l	96
12) 1,1-Dichloroethene	3.91	96	83954	46.479	ug/l	97
13) Acrolein	3.76	56	63059	258.732	ug/l	97
14) Allyl chloride	4.52	41	149831	46.790	ug/l	99
15) Acrylonitrile	5.21	53	138534	235.837	ug/l	99
16) Acetone	3.98	43	146875	290.750	ug/l	97
17) Carbon Disulfide	4.23	76	258566	42.583	ug/l	98
18) Methyl Acetate	4.52	43	60320	46.473	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	235311	48.073	ug/l	97
20) Methylene Chloride	4.75	84	106300	49.099	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	93909	45.805	ug/l	99
22) Diisopropyl ether	6.16	45	311677	47.483	ug/l	96
23) Vinyl Acetate	6.10	43	1017895	236.549	ug/l	98
24) 1,1-Dichloroethane	6.06	63	168782	47.483	ug/l	99
25) 2-Butanone	7.02	43	195720	254.775	ug/l	96
26) 2,2-Dichloropropane	7.02	77	144471	49.519	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	107004	47.981	ug/l	99
28) Bromochloromethane	7.37	49	83022	51.817	ug/l	100
29) Tetrahydrofuran	7.38	42	117231	229.802	ug/l	99
30) Chloroform	7.53	83	159479	47.754	ug/l	97
31) Cyclohexane	7.81	56	166325	43.640	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	136367	48.447	ug/l	99
36) 1,1-Dichloropropene	7.94	75	133936	47.815	ug/l	99
37) Ethyl Acetate	7.11	43	78848	48.432	ug/l	100
38) Carbon Tetrachloride	7.93	117	118023	49.323	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	173161	46.609	ug/l	99
40) Benzene	8.19	78	395854	47.679	ug/l	100
41) Methacrylonitrile	7.34	41	32660m	44.577	ug/l	
42) 1,2-Dichloroethane	8.26	62	102512	47.916	ug/l	100
43) Isopropyl Acetate	8.30	43	147238	47.769	ug/l	100
44) Trichloroethene	8.96	130	98213	48.572	ug/l	98
45) 1,2-Dichloropropane	9.24	63	101934	48.840	ug/l	98
46) Dibromomethane	9.32	93	51960	48.310	ug/l	99
47) Bromodichloromethane	9.52	83	123613	49.407	ug/l	99
48) Methyl methacrylate	9.31	41	64541	47.189	ug/l	94
49) 1,4-Dioxane	9.32	88	13045	885.152	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	395575	249.165	ug/l	99
52) Toluene	10.26	92	244475	48.472	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	137330	50.382	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	160950	49.600	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	76751	48.760	ug/l	99
56) Ethyl methacrylate	10.52	69	114488	49.623	ug/l	99
57) 1,3-Dichloropropane	10.80	76	135960	48.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	206046	256.278	ug/l	100
59) 2-Hexanone	10.85	43	287295	253.534	ug/l	99
60) Dibromochloromethane	11.00	129	83578	50.390	ug/l	99
61) 1,2-Dibromoethane	11.10	107	72799	48.825	ug/l	99
64) Tetrachloroethene	10.73	164	78442	47.854	ug/l	97
65) Chlorobenzene	11.53	112	252650	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	84802	49.652	ug/l	98
67) Ethyl Benzene	11.60	91	472200	48.614	ug/l	98
68) m/p-Xylenes	11.71	106	347571	96.787	ug/l	99
69) o-Xylene	12.04	106	164870	48.710	ug/l	99
70) Styrene	12.05	104	287392	49.576	ug/l	100
71) Bromoform	12.22	173	47444	51.222	ug/l #	100
73) Isopropylbenzene	12.34	105	446667	48.096	ug/l	100
74) N-amyl acetate	12.16	43	134037	46.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	96734	48.302	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	65151m	45.133	ug/l	
77) Bromobenzene	12.62	156	96058	48.820	ug/l	96
78) n-propylbenzene	12.68	91	549418	47.953	ug/l	99
79) 2-Chlorotoluene	12.77	91	299918	47.381	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	369448	48.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	35167	49.210	ug/l	96
82) 4-Chlorotoluene	12.86	91	313526	47.571	ug/l	98
83) tert-Butylbenzene	13.08	119	307189	48.376	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	364717	48.069	ug/l	99
85) sec-Butylbenzene	13.27	105	461775	49.335	ug/l	100
86) p-Isopropyltoluene	13.38	119	395262	48.954	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	183714	47.647	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	182581	46.677	ug/l	98
89) n-Butylbenzene	13.70	91	407345	48.627	ug/l	99
90) Hexachloroethane	13.97	117	74592	48.971	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	167751	47.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14711	47.074	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107264	47.219	ug/l	98
94) Hexachlorobutadiene	15.12	225	51926	46.885	ug/l	99
95) Naphthalene	15.25	128	251420	46.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	93227	46.586	ug/l	99

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

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