

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001792.D
 Acq On : 28 Feb 2020 09:51
 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
 3/2/2020 10:35:52 AM

Quant Time: Feb 28 13:04:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	174596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	130812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	97792	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.75	113	91089	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.20	98	385060	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
62) 4-Bromofluorobenzene	12.50	95	138635	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	87113	51.185	ug/l	98
3) Chloromethane	2.13	50	109971	48.040	ug/l	98
4) Vinyl Chloride	2.27	62	111029	48.087	ug/l	99
5) Bromomethane	2.67	94	70316	48.728	ug/l	100
6) Chloroethane	2.82	64	68932	48.449	ug/l	100
7) Trichlorofluoromethane	3.15	101	152535	51.618	ug/l	98
8) Diethyl Ether	3.56	74	60256	51.724	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	97292	52.381	ug/l	98
10) Methyl Iodide	4.13	142	117714	51.784	ug/l	99
11) Tert butyl alcohol	5.00	59	51012	232.715	ug/l	98
12) 1,1-Dichloroethene	3.90	96	96168	50.765	ug/l	97
13) Acrolein	3.76	56	44886	236.651	ug/l	100
14) Allyl chloride	4.52	41	173555	51.477	ug/l	99
15) Acrylonitrile	5.21	53	161652	270.718	ug/l	100
16) Acetone	3.98	43	185909	286.093	ug/l	98
17) Carbon Disulfide	4.23	76	299973	47.430	ug/l	99
18) Methyl Acetate	4.52	43	73904	52.224	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	267994	50.811	ug/l	98
20) Methylene Chloride	4.76	84	110473	47.862	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	107941	49.941	ug/l	98
22) Diisopropyl ether	6.16	45	355224	51.305	ug/l	96
23) Vinyl Acetate	6.10	43	1170779	259.234	ug/l	99
24) 1,1-Dichloroethane	6.06	63	191868	51.848	ug/l	99
25) 2-Butanone	7.02	43	245316	277.898	ug/l	100
26) 2,2-Dichloropropane	7.02	77	162250	50.395	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	121792	51.050	ug/l	100
28) Bromochloromethane	7.37	49	87638	56.851	ug/l	98
29) Tetrahydrofuran	7.38	42	136778	256.352	ug/l	100
30) Chloroform	7.54	83	182315	50.421	ug/l	99
31) Cyclohexane	7.82	56	188885	47.873	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	154501	50.839	ug/l	99
36) 1,1-Dichloropropene	7.95	75	151586	51.015	ug/l	99
37) Ethyl Acetate	7.11	43	90715	51.151	ug/l	99
38) Carbon Tetrachloride	7.93	117	134247	51.437	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	193295	49.034	ug/l	98
40) Benzene	8.19	78	451598	51.676	ug/l	99
41) Methacrylonitrile	7.35	41	36558m	41.054	ug/l	
42) 1,2-Dichloroethane	8.26	62	118366	49.717	ug/l	99
43) Isopropyl Acetate	8.30	43	173847	51.664	ug/l	99
44) Trichloroethene	8.96	130	109988	50.418	ug/l	98
45) 1,2-Dichloropropane	9.24	63	116598	53.275	ug/l	99
46) Dibromomethane	9.33	93	59152	51.674	ug/l	99
47) Bromodichloromethane	9.52	83	142470	51.568	ug/l	96
48) Methyl methacrylate	9.32	41	77359	50.833	ug/l	98
49) 1,4-Dioxane	9.32	88	15735	973.216	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	455403	263.410	ug/l	100
52) Toluene	10.26	92	278591	51.107	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	158320	51.836	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	181502	51.633	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	88368	52.353	ug/l	99
56) Ethyl methacrylate	10.53	69	133264	52.628	ug/l	99
57) 1,3-Dichloropropane	10.81	76	155977	52.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	227293	237.739	ug/l	99
59) 2-Hexanone	10.85	43	355099	273.743	ug/l	100
60) Dibromochloromethane	11.00	129	95749	51.451	ug/l	99
61) 1,2-Dibromoethane	11.11	107	84468	52.925	ug/l	99
64) Tetrachloroethene	10.74	164	88439	50.887	ug/l	97
65) Chlorobenzene	11.53	112	287933	52.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	97252	52.159	ug/l	99
67) Ethyl Benzene	11.61	91	535947	52.250	ug/l	100
68) m/p-Xylenes	11.72	106	397988	103.871	ug/l	99
69) o-Xylene	12.05	106	188307	51.695	ug/l	98
70) Styrene	12.06	104	330614	52.224	ug/l	99
71) Bromoform	12.22	173	56231	52.772	ug/l #	98
73) Isopropylbenzene	12.35	105	507350	50.910	ug/l	100
74) N-amyl acetate	12.16	43	159668	50.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	113827	53.494	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	87321m	58.191	ug/l	
77) Bromobenzene	12.63	156	110654	51.221	ug/l	96
78) n-propylbenzene	12.69	91	630095	51.915	ug/l	100
79) 2-Chlorotoluene	12.77	91	348098	51.136	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	423144	51.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	43149	54.553	ug/l	97
82) 4-Chlorotoluene	12.87	91	366259	51.014	ug/l	99
83) tert-Butylbenzene	13.09	119	349466	50.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	422844	51.415	ug/l	100
85) sec-Butylbenzene	13.27	105	520158	51.261	ug/l	100
86) p-Isopropyltoluene	13.38	119	447753	50.793	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	211555	50.493	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	214112	50.556	ug/l	99
89) n-Butylbenzene	13.71	91	460874	51.166	ug/l	100
90) Hexachloroethane	13.98	117	85180	51.286	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	195441	50.547	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	17535	49.934	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	127419	49.729	ug/l	99
94) Hexachlorobutadiene	15.13	225	61360	48.153	ug/l	99
95) Naphthalene	15.25	128	301273	50.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	110825	49.164	ug/l	98

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

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