

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002555.D
 Acq On : 04 May 2020 21:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:14 AM

Quant Time: May 05 08:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	386602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	590880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	538482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	273771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	165527	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.74	113	173689	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.19	98	669376	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.49	95	228644	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	166746	52.120	ug/l	99
3) Chloromethane	2.13	50	173065	55.254	ug/l	99
4) Vinyl Chloride	2.26	62	201158	55.619	ug/l	99
5) Bromomethane	2.66	94	135366	54.273	ug/l	99
6) Chloroethane	2.81	64	116731	54.054	ug/l	99
7) Trichlorofluoromethane	3.15	101	291742	52.047	ug/l	98
8) Diethyl Ether	3.55	74	105119	55.805	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	179203	52.309	ug/l	99
10) Methyl Iodide	4.12	142	271280	58.123	ug/l	99
11) Tert butyl alcohol	4.99	59	83549	249.823	ug/l	100
12) 1,1-Dichloroethene	3.90	96	177873	53.446	ug/l	99
13) Acrolein	3.76	56	60848	263.113	ug/l	96
14) Allyl chloride	4.51	41	269331	55.543	ug/l	99
15) Acrylonitrile	5.20	53	238886	268.922	ug/l	99
16) Acetone	3.97	43	172223	256.721	ug/l	98
17) Carbon Disulfide	4.22	76	551055	55.039	ug/l	99
18) Methyl Acetate	4.51	43	118752	52.979	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	477972	55.048	ug/l	99
20) Methylene Chloride	4.75	84	200936	53.561	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	200966	55.248	ug/l	99
22) Diisopropyl ether	6.15	45	551371	56.197	ug/l	98
23) Vinyl Acetate	6.10	43	1711936	277.444	ug/l	100
24) 1,1-Dichloroethane	6.05	63	324792	55.956	ug/l	99
25) 2-Butanone	7.02	43	289925	264.012	ug/l	99
26) 2,2-Dichloropropane	7.01	77	266921	48.379	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	224230	55.711	ug/l	98
28) Bromochloromethane	7.36	49	137317	57.740	ug/l	99
29) Tetrahydrofuran	7.38	42	195998	269.763	ug/l	100
30) Chloroform	7.53	83	330719	54.798	ug/l	99
31) Cyclohexane	7.81	56	299635	51.284	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	298369	53.189	ug/l	99
36) 1,1-Dichloropropene	7.94	75	260335	52.557	ug/l	99
37) Ethyl Acetate	7.10	43	132459	52.038	ug/l	100
38) Carbon Tetrachloride	7.93	117	276039	51.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	335364	51.259	ug/l	99
40) Benzene	8.18	78	768907	53.745	ug/l	100
41) Methacrylonitrile	7.34	41	63184m	46.167	ug/l	
42) 1,2-Dichloroethane	8.26	62	211791	52.777	ug/l	99
43) Isopropyl Acetate	8.29	43	252462	52.905	ug/l	100
44) Trichloroethene	8.96	130	240144	53.712	ug/l	100
45) 1,2-Dichloropropane	9.24	63	186657	54.060	ug/l	98
46) Dibromomethane	9.32	93	106733	53.726	ug/l	100
47) Bromodichloromethane	9.52	83	259213	53.662	ug/l	99
48) Methyl methacrylate	9.31	41	114601	53.065	ug/l	99
49) 1,4-Dioxane	9.32	88	30360	1154.228	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	651498	264.874	ug/l	100
52) Toluene	10.26	92	490068	53.301	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	267012	52.757	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	309984	52.980	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	154130	53.203	ug/l	99
56) Ethyl methacrylate	10.52	69	210869	54.715	ug/l	98
57) 1,3-Dichloropropane	10.80	76	259989	52.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	554085	272.628	ug/l	99
59) 2-Hexanone	10.85	43	449686	265.630	ug/l	100
60) Dibromochloromethane	11.00	129	200392	54.386	ug/l	98
61) 1,2-Dibromoethane	11.10	107	152414	53.133	ug/l	99
64) Tetrachloroethene	10.73	164	262567	54.880	ug/l	98
65) Chlorobenzene	11.53	112	537921	52.549	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	205855	54.175	ug/l	99
67) Ethyl Benzene	11.60	91	940502	52.305	ug/l	99
68) m/p-Xylenes	11.71	106	728044	104.644	ug/l	100
69) o-Xylene	12.04	106	345345	53.014	ug/l	100
70) Styrene	12.05	104	601463	54.009	ug/l	99
71) Bromoform	12.22	173	125286	53.122	ug/l	100
73) Isopropylbenzene	12.34	105	927029	52.248	ug/l	100
74) N-amyl acetate	12.16	43	230849	54.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	141659	50.202	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	112606m	46.284	ug/l	
77) Bromobenzene	12.62	156	237212	53.512	ug/l	99
78) n-propylbenzene	12.68	91	1073626	52.142	ug/l	100
79) 2-Chlorotoluene	12.77	91	601851	52.768	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	778862	52.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60601	49.947	ug/l	99
82) 4-Chlorotoluene	12.86	91	623561	52.047	ug/l	99
83) tert-Butylbenzene	13.08	119	691508	53.622	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	778114	53.085	ug/l	100
85) sec-Butylbenzene	13.27	105	932666	52.120	ug/l	100
86) p-Isopropyltoluene	13.38	119	868346	51.788	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	441802	52.658	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	435026	52.364	ug/l	99
89) n-Butylbenzene	13.70	91	785564	51.465	ug/l	100
90) Hexachloroethane	13.97	117	164711	53.942	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	394730	52.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27601	52.473	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	281110	51.720	ug/l	100
94) Hexachlorobutadiene	15.13	225	170597	52.290	ug/l	98
95) Naphthalene	15.25	128	532890	53.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	241297	52.295	ug/l	99

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

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