

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002553.D
 Acq On : 04 May 2020 20:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:17 AM

Quant Time: May 05 08:40:43 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	7.81	168	393162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	601510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	548707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	280473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	168869	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.74	113	175545	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.19	98	668118	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.49	95	230437	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	159100	49.010	ug/l	96
3) Chloromethane	2.12	50	168600	52.930	ug/l	99
4) Vinyl Chloride	2.26	62	193794	52.689	ug/l	99
5) Bromomethane	2.66	94	135753	53.520	ug/l	100
6) Chloroethane	2.80	64	115334	52.516	ug/l	99
7) Trichlorofluoromethane	3.14	101	295032	51.756	ug/l	99
8) Diethyl Ether	3.55	74	108157	56.460	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	179900	51.636	ug/l	99
10) Methyl Iodide	4.11	142	268111	56.486	ug/l	99
11) Tert butyl alcohol	4.99	59	89847	264.172	ug/l	100
12) 1,1-Dichloroethene	3.89	96	178652	52.785	ug/l	99
13) Acrolein	3.76	56	59956	254.931	ug/l	97
14) Allyl chloride	4.51	41	271490	55.054	ug/l	100
15) Acrylonitrile	5.19	53	254765	282.013	ug/l	99
16) Acetone	3.97	43	189524	277.796	ug/l	97
17) Carbon Disulfide	4.21	76	556618	54.667	ug/l	100
18) Methyl Acetate	4.51	43	126442	55.468	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	495961	56.166	ug/l	96
20) Methylene Chloride	4.74	84	211505	55.438	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	201817	54.556	ug/l	94
22) Diisopropyl ether	6.14	45	555500	55.673	ug/l	97
23) Vinyl Acetate	6.08	43	1777823	283.315	ug/l	99
24) 1,1-Dichloroethane	6.04	63	322676	54.664	ug/l	99
25) 2-Butanone	7.00	43	318270	284.988	ug/l	97
26) 2,2-Dichloropropane	7.00	77	270282	48.171	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	224628	54.879	ug/l	99
28) Bromochloromethane	7.36	49	134812	55.741	ug/l	98
29) Tetrahydrofuran	7.36	42	212835	288.049	ug/l	99
30) Chloroform	7.53	83	333010	54.257	ug/l	98
31) Cyclohexane	7.80	56	296048	49.825	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	299230	52.452	ug/l	100
36) 1,1-Dichloropropene	7.94	75	258699	51.303	ug/l	100
37) Ethyl Acetate	7.10	43	139551	53.855	ug/l	99
38) Carbon Tetrachloride	7.92	117	279672	50.801	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	333671	50.099	ug/l	99
40) Benzene	8.18	78	771786	52.993	ug/l	99
41) Methacrylonitrile	7.35	41	84104m	60.366	ug/l	
42) 1,2-Dichloroethane	8.25	62	217273	53.186	ug/l	99
43) Isopropyl Acetate	8.29	43	269954	55.571	ug/l	99
44) Trichloroethene	8.95	130	242872	53.362	ug/l	96
45) 1,2-Dichloropropane	9.23	63	188747	53.699	ug/l	99
46) Dibromomethane	9.32	93	110373	54.577	ug/l	99
47) Bromodichloromethane	9.51	83	264099	53.707	ug/l	99
48) Methyl methacrylate	9.30	41	122814	55.863	ug/l	98
49) 1,4-Dioxane	9.31	88	31007	1157.993	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	702789	280.677	ug/l	99
52) Toluene	10.25	92	497347	53.136	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	277396	53.840	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	315908	53.038	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	157883	53.535	ug/l	99
56) Ethyl methacrylate	10.52	69	221186	56.378	ug/l	98
57) 1,3-Dichloropropane	10.80	76	270731	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	558568	269.976	ug/l	99
59) 2-Hexanone	10.84	43	488576	283.502	ug/l	100
60) Dibromochloromethane	10.99	129	203862	54.350	ug/l	99
61) 1,2-Dibromoethane	11.10	107	160286	54.890	ug/l	99
64) Tetrachloroethene	10.73	164	264240	54.200	ug/l	99
65) Chlorobenzene	11.52	112	545396	52.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	206989	53.458	ug/l	99
67) Ethyl Benzene	11.60	91	946974	51.683	ug/l	100
68) m/p-Xylenes	11.71	106	726906	102.534	ug/l	99
69) o-Xylene	12.03	106	348939	52.567	ug/l	98
70) Styrene	12.05	104	604749	53.292	ug/l	99
71) Bromoform	12.22	173	131530	54.731	ug/l	100
73) Isopropylbenzene	12.34	105	923707	50.816	ug/l	100
74) N-amyl acetate	12.15	43	243206	55.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	149667	51.773	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	133722m	53.650	ug/l	
77) Bromobenzene	12.61	156	238551	52.528	ug/l	99
78) n-propylbenzene	12.67	91	1063079	50.396	ug/l	100
79) 2-Chlorotoluene	12.77	91	602526	51.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	771949	51.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	64610	51.979	ug/l	99
82) 4-Chlorotoluene	12.86	91	630468	51.366	ug/l	99
83) tert-Butylbenzene	13.08	119	671644	50.837	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	767678	51.122	ug/l	100
85) sec-Butylbenzene	13.26	105	911504	49.720	ug/l	100
86) p-Isopropyltoluene	13.38	119	857863	49.941	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	437939	50.950	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	438715	51.546	ug/l	100
89) n-Butylbenzene	13.70	91	768363	49.135	ug/l	100
90) Hexachloroethane	13.97	117	161186	51.526	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	398802	51.997	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29428	54.610	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	277991	49.924	ug/l	100
94) Hexachlorobutadiene	15.12	225	163965	49.056	ug/l	99
95) Naphthalene	15.25	128	556379	54.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	242158	51.228	ug/l	100

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

