

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
 Data File : VY001950.D
 Acq On : 11 Mar 2020 18:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:46:21 PM

Quant Time: Mar 12 09:36:38 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	7.81	168	190463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	302059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	136475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	105104	51.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.74	113	99958	53.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.19	98	394684	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.49	95	140408	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	75345	42.856	ug/l	97
3) Chloromethane	2.12	50	91421	38.569	ug/l	98
4) Vinyl Chloride	2.26	62	96642	40.083	ug/l	97
5) Bromomethane	2.66	94	63862	44.733	ug/l	95
6) Chloroethane	2.80	64	62047	40.967	ug/l	94
7) Trichlorofluoromethane	3.14	101	161165	49.288	ug/l	96
8) Diethyl Ether	3.55	74	62089	48.178	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.91	101	98571	46.869	ug/l	96
10) Methyl Iodide	4.11	142	125815	51.730	ug/l	99
11) Tert butyl alcohol	4.98	59	60478	289.373	ug/l	99
12) 1,1-Dichloroethene	3.89	96	102102	48.216	ug/l	93
13) Acrolein	3.75	56	57647	201.754	ug/l	97
14) Allyl chloride	4.50	41	155168	41.333	ug/l	93
15) Acrylonitrile	5.19	53	148125	215.093	ug/l	100
16) Acetone	3.97	43	111697	188.606	ug/l	95
17) Carbon Disulfide	4.21	76	305360	42.896	ug/l	100
18) Methyl Acetate	4.50	43	62691	41.199	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	279366	48.682	ug/l	98
20) Methylene Chloride	4.74	84	113013	44.525	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	112542	46.823	ug/l	98
22) Diisopropyl ether	6.14	45	320109	41.598	ug/l #	97
23) Vinyl Acetate	6.08	43	1073076	212.711	ug/l	95
24) 1,1-Dichloroethane	6.04	63	184130	44.185	ug/l	96
25) 2-Butanone	7.01	43	182125	202.224	ug/l	91
26) 2,2-Dichloropropane	7.00	77	163445	47.786	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	125742	48.094	ug/l	96
28) Bromochloromethane	7.36	49	78401	41.739	ug/l #	81
29) Tetrahydrofuran	7.36	42	120189	200.964	ug/l	91
30) Chloroform	7.53	83	187290	47.836	ug/l	97
31) Cyclohexane	7.80	56	175648	39.311	ug/l	92
32) 1,1,1-Trichloroethane	7.72	97	164528	49.859	ug/l	98
36) 1,1-Dichloropropene	7.94	75	148033	45.362	ug/l	97
37) Ethyl Acetate	7.10	43	82282	43.382	ug/l	96
38) Carbon Tetrachloride	7.92	117	141701	50.830	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	198105	45.769	ug/l	98
40) Benzene	8.17	78	441603	45.655	ug/l	100
41) Methacrylonitrile	7.34	41	42657m	49.974	ug/l	
42) 1,2-Dichloroethane	8.25	62	123833	49.682	ug/l	99
43) Isopropyl Acetate	8.29	43	158048	44.013	ug/l	98
44) Trichloroethene	8.96	130	117006	49.669	ug/l	91
45) 1,2-Dichloropropane	9.23	63	107623	44.261	ug/l	99
46) Dibromomethane	9.32	93	60348	48.161	ug/l	97
47) Bromodichloromethane	9.51	83	144047	49.419	ug/l	97
48) Methyl methacrylate	9.30	41	72756	45.660	ug/l	92
49) 1,4-Dioxane	9.31	88	16393	954.764	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	405797	219.397	ug/l	99
52) Toluene	10.25	92	278747	47.438	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	156989	49.436	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	178849	47.309	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	89425	48.765	ug/l	94
56) Ethyl methacrylate	10.52	69	129158	48.052	ug/l	97
57) 1,3-Dichloropropane	10.80	76	150350	45.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	199799	207.122	ug/l	93
59) 2-Hexanone	10.84	43	284293	215.347	ug/l	99
60) Dibromochloromethane	10.99	129	100571	52.046	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84334	48.550	ug/l	100
64) Tetrachloroethene	10.73	164	94224	49.742	ug/l	96
65) Chlorobenzene	11.52	112	292741	48.639	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	101587	51.470	ug/l	98
67) Ethyl Benzene	11.60	91	534337	47.603	ug/l	99
68) m/p-Xylenes	11.70	106	401502	96.750	ug/l	99
69) o-Xylene	12.03	106	189158	48.361	ug/l	99
70) Styrene	12.05	104	330748	49.372	ug/l	99
71) Bromoform	12.21	173	58300	54.467	ug/l #	99
73) Isopropylbenzene	12.33	105	510953	49.044	ug/l	100
74) N-amyl acetate	12.15	43	145491	45.439	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	103907	46.250	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	71924m	44.415	ug/l	
77) Bromobenzene	12.61	156	112005	50.743	ug/l	94
78) n-propylbenzene	12.67	91	611606	47.585	ug/l	98
79) 2-Chlorotoluene	12.76	91	345671	48.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	435468	50.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	37798	47.148	ug/l	97
82) 4-Chlorotoluene	12.86	91	357261	48.321	ug/l	98
83) tert-Butylbenzene	13.08	119	352584	49.495	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	440012	51.696	ug/l	99
85) sec-Butylbenzene	13.26	105	510629	48.631	ug/l	99
86) p-Isopropyltoluene	13.38	119	448318	49.496	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	213742	49.416	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	214193	48.813	ug/l	99
89) n-Butylbenzene	13.70	91	439893	46.811	ug/l	99
90) Hexachloroethane	13.97	117	84652	49.541	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	194706	49.549	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17344	49.473	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	126250	49.542	ug/l	99
94) Hexachlorobutadiene	15.12	225	62543	50.339	ug/l	98
95) Naphthalene	15.24	128	296712	49.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	109157	48.623	ug/l	99

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

