

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065556.D
 Acq On : 27 Mar 2020 20:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/30/2020 2:55:29 PM

Quant Time: Mar 30 08:16:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	476220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230368	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
35) Dibromofluoromethane	7.91	113	242930	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	
50) Toluene-d8	10.34	98	926417	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	300240	57.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118625	44.753	ug/l	100
3) Chloromethane	2.21	50	186897	49.704	ug/l	99
4) Vinyl Chloride	2.35	62	191538	43.523	ug/l	100
5) Bromomethane	2.77	94	139091	50.058	ug/l	99
6) Chloroethane	2.92	64	131084	46.094	ug/l	97
7) Trichlorofluoromethane	3.27	101	291837	44.450	ug/l	100
8) Diethyl Ether	3.70	74	75384	36.185	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	158306	36.559	ug/l	97
10) Methyl Iodide	4.29	142	212444	42.401	ug/l	97
11) Tert butyl alcohol	5.24	59	57905	259.754	ug/l	96
12) 1,1-Dichloroethene	4.06	96	148743	36.154	ug/l	96
13) Acrolein	3.93	56	84003	223.187	ug/l	98
14) Allyl chloride	4.71	41	300881	48.064	ug/l	100
15) Acrylonitrile	5.43	53	221852	258.615	ug/l	99
16) Acetone	4.17	43	141302	188.910	ug/l #	86
17) Carbon Disulfide	4.40	76	616292	45.438	ug/l	97
18) Methyl Acetate	4.72	43	96560	49.646	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	428647	52.241	ug/l	98
20) Methylene Chloride	4.96	84	237239	51.375	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	228052	48.180	ug/l	97
22) Diisopropyl ether	6.37	45	659677	54.343	ug/l	98
23) Vinyl Acetate	6.31	43	1790743	270.832	ug/l	100
24) 1,1-Dichloroethane	6.26	63	387598	50.353	ug/l	98
25) 2-Butanone	7.22	43	254696	250.728	ug/l	99
26) 2,2-Dichloropropane	7.21	77	309101	45.346	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249581	50.884	ug/l	99
28) Bromochloromethane	7.55	49	170920	53.403	ug/l	99
29) Tetrahydrofuran	7.57	42	170576	259.088	ug/l	99
30) Chloroform	7.71	83	402168	50.437	ug/l	99
31) Cyclohexane	7.98	56	323892	43.465	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	341702	47.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	297223	45.739	ug/l	100
37) Ethyl Acetate	7.30	43	125770	50.563	ug/l	96
38) Carbon Tetrachloride	8.10	117	311299	45.483	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	350062	45.692	ug/l	100
40) Benzene	8.35	78	918397	49.528	ug/l	100
41) Methacrylonitrile	7.53	41	83426	58.102	ug/l	89
42) 1,2-Dichloroethane	8.43	62	252004	51.073	ug/l	99
43) Isopropyl Acetate	8.46	43	225677	49.962	ug/l	98
44) Trichloroethene	9.11	130	251750	46.791	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229249	50.895	ug/l	100
46) Dibromomethane	9.48	93	121382	51.355	ug/l	98
47) Bromodichloromethane	9.67	83	314688	50.258	ug/l	98
48) Methyl methacrylate	9.46	41	108090	50.327	ug/l	100
49) 1,4-Dioxane	9.47	88	28403	1105.111	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	602794	264.441	ug/l	100
52) Toluene	10.41	92	594662	50.639	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293126	51.185	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	353364	50.433	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	166892	49.497	ug/l	98
56) Ethyl methacrylate	10.67	69	194455	47.408	ug/l	98
57) 1,3-Dichloropropane	10.95	76	283370	49.943	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	544495	284.576	ug/l	99
59) 2-Hexanone	10.99	43	397127	255.516	ug/l	99
60) Dibromochloromethane	11.14	129	222245	49.738	ug/l	100
61) 1,2-Dibromoethane	11.25	107	162507	49.798	ug/l	99
64) Tetrachloroethene	10.88	164	217770	44.906	ug/l	95
65) Chlorobenzene	11.67	112	630070	47.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	240946	48.818	ug/l	99
67) Ethyl Benzene	11.75	91	1077182	48.322	ug/l	99
68) m/p-Xylenes	11.86	106	845304	96.575	ug/l	98
69) o-Xylene	12.18	106	379719	49.536	ug/l	98
70) Styrene	12.20	104	690992	51.037	ug/l	100
71) Bromoform	12.37	173	133863	49.172	ug/l #	100
73) Isopropylbenzene	12.48	105	1011686	49.230	ug/l	99
74) N-amyl acetate	12.30	43	206283	50.863	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174574	48.907	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	110796m	43.060	ug/l	
77) Bromobenzene	12.77	156	268669	50.030	ug/l	99
78) n-propylbenzene	12.83	91	1200826	49.022	ug/l	99
79) 2-Chlorotoluene	12.91	91	679016	48.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	853946	50.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54351	47.151	ug/l	97
82) 4-Chlorotoluene	13.01	91	721701	48.595	ug/l	99
83) tert-Butylbenzene	13.23	119	702315	49.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	848015	49.799	ug/l	99
85) sec-Butylbenzene	13.41	105	972268	47.626	ug/l	100
86) p-Isopropyltoluene	13.53	119	921950	49.007	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	494605	47.843	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	482573	46.717	ug/l	99
89) n-Butylbenzene	13.85	91	807182	47.247	ug/l	100
90) Hexachloroethane	14.12	117	180820	45.834	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	430892	49.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25381	47.198	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287678	47.401	ug/l	98
94) Hexachlorobutadiene	15.28	225	176016	44.506	ug/l	99
95) Naphthalene	15.41	128	456533	44.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	255933	49.100	ug/l	99

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

