

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064613.D
 Acq On : 26 Dec 2019 22:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:13 PM

Quant Time: Dec 27 05:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	184707	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	7.92	113	186446	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.34	98	708373	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.64	95	225214	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	148879	48.136	ug/l	99
3) Chloromethane	2.21	50	220370	50.946	ug/l	99
4) Vinyl Chloride	2.35	62	260245	49.345	ug/l	96
5) Bromomethane	2.77	94	191891	50.040	ug/l	98
6) Chloroethane	2.92	64	183019	51.790	ug/l	98
7) Trichlorofluoromethane	3.27	101	445005	50.112	ug/l	96
8) Diethyl Ether	3.71	74	93533	53.041	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	178968	48.663	ug/l	99
10) Methyl Iodide	4.29	142	218627	55.343	ug/l	100
11) Tert butyl alcohol	5.26	59	51294	255.042	ug/l	99
12) 1,1-Dichloroethene	4.06	96	175703	50.182	ug/l	98
13) Acrolein	3.93	56	76461	272.792	ug/l	99
14) Allyl chloride	4.71	41	286248	52.436	ug/l	98
15) Acrylonitrile	5.43	53	191549	260.779	ug/l	99
16) Acetone	4.17	43	153620	204.107	ug/l	96
17) Carbon Disulfide	4.40	76	563562	49.778	ug/l	99
18) Methyl Acetate	4.73	43	99459	50.341	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	416545	53.561	ug/l	96
20) Methylene Chloride	4.96	84	201486	56.804	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	206015	51.665	ug/l	99
22) Diisopropyl ether	6.37	45	581596	53.414	ug/l	99
23) Vinyl Acetate	6.31	43	1697060	274.756	ug/l	99
24) 1,1-Dichloroethane	6.27	63	347663	53.186	ug/l	99
25) 2-Butanone	7.22	43	238728	247.483	ug/l	99
26) 2,2-Dichloropropane	7.21	77	290799	47.848	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	226751	52.691	ug/l	99
28) Bromochloromethane	7.55	49	141486	55.681	ug/l	98
29) Tetrahydrofuran	7.57	42	159109	265.236	ug/l	98
30) Chloroform	7.71	83	367214	53.544	ug/l	98
31) Cyclohexane	7.99	56	299126	45.715	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	327074	50.775	ug/l	99
36) 1,1-Dichloropropene	8.11	75	280933	49.498	ug/l	99
37) Ethyl Acetate	7.30	43	113222	50.780	ug/l	99
38) Carbon Tetrachloride	8.10	117	297676	49.187	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	332594	48.383	ug/l	96
40) Benzene	8.35	78	804385	51.917	ug/l	99
41) Methacrylonitrile	7.53	41	65199	50.399	ug/l	91
42) 1,2-Dichloroethane	8.43	62	232879	52.013	ug/l	99
43) Isopropyl Acetate	8.46	43	228301	51.442	ug/l	99
44) Trichloroethene	9.11	130	232438	51.067	ug/l	93
45) 1,2-Dichloropropane	9.39	63	192286	51.978	ug/l	98
46) Dibromomethane	9.48	93	108205	52.463	ug/l	98
47) Bromodichloromethane	9.67	83	289066	52.670	ug/l	96
48) Methyl methacrylate	9.46	41	104709	50.108	ug/l	90
49) 1,4-Dioxane	9.47	88	24713	1039.137	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	564144	257.177	ug/l	99
52) Toluene	10.40	92	524240	51.572	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	268827	52.538	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	312159	51.738	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	146182	52.591	ug/l	94
56) Ethyl methacrylate	10.67	69	180645	52.039	ug/l	100
57) 1,3-Dichloropropane	10.95	76	247511	51.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	313088	236.729	ug/l	99
59) 2-Hexanone	10.99	43	379876	255.149	ug/l	100
60) Dibromochloromethane	11.14	129	196480	51.116	ug/l	97
61) 1,2-Dibromoethane	11.25	107	140646	51.301	ug/l	100
64) Tetrachloroethene	10.88	164	200464	49.152	ug/l	98
65) Chlorobenzene	11.67	112	556512	50.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	215402	51.785	ug/l	98
67) Ethyl Benzene	11.75	91	1000235	49.945	ug/l	99
68) m/p-Xylenes	11.86	106	777341	100.563	ug/l	98
69) o-Xylene	12.18	106	357537	51.208	ug/l	97
70) Styrene	12.20	104	626018	51.081	ug/l	99
71) Bromoform	12.36	173	120066	50.616	ug/l #	99
73) Isopropylbenzene	12.48	105	946167	50.325	ug/l	100
74) N-amyl acetate	12.29	43	209231	52.060	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	145969	49.422	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	106879m	51.445	ug/l	
77) Bromobenzene	12.77	156	237619	51.436	ug/l	99
78) n-propylbenzene	12.83	91	1099237	50.116	ug/l	100
79) 2-Chlorotoluene	12.91	91	606165	50.307	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	779156	50.449	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	49364	49.695	ug/l	99
82) 4-Chlorotoluene	13.01	91	648211	50.552	ug/l	100
83) tert-Butylbenzene	13.23	119	679711	50.689	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	783554	50.941	ug/l	99
85) sec-Butylbenzene	13.41	105	908963	49.444	ug/l	99
86) p-Isopropyltoluene	13.52	119	877087	49.896	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	445885	50.630	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	439146	50.759	ug/l	99
89) n-Butylbenzene	13.85	91	787110	49.723	ug/l	100
90) Hexachloroethane	14.12	117	164543	49.003	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	381865	50.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22959	47.952	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	281380	50.888	ug/l	100
94) Hexachlorobutadiene	15.28	225	165360	47.524	ug/l	98
95) Naphthalene	15.41	128	444021	50.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	237030	50.213	ug/l	99

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

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