

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064504.D
 Acq On : 11 Dec 2019 17:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:29:10 AM

Quant Time: Dec 12 03:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	602865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	874826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	804885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	400452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	278662	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.91	113	280255	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.34	98	1073225	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.64	95	355913	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	279612	51.187	ug/l	100
3) Chloromethane	2.21	50	353541	51.314	ug/l	100
4) Vinyl Chloride	2.35	62	387786	48.747	ug/l	98
5) Bromomethane	2.77	94	252176	42.867	ug/l	98
6) Chloroethane	2.93	64	259605	48.824	ug/l	97
7) Trichlorofluoromethane	3.27	101	630321	47.663	ug/l	99
8) Diethyl Ether	3.71	74	152699	55.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	304320	53.669	ug/l	98
10) Methyl Iodide	4.29	142	356198	59.485	ug/l	98
11) Tert butyl alcohol	5.24	59	86475	248.954	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	289516	53.279	ug/l	97
13) Acrolein	3.93	56	127498	269.106	ug/l	98
14) Allyl chloride	4.71	41	471868	55.643	ug/l	98
15) Acrylonitrile	5.43	53	300506	250.067	ug/l	100
16) Acetone	4.17	43	269732	244.608	ug/l	97
17) Carbon Disulfide	4.40	76	844287	49.058	ug/l	98
18) Methyl Acetate	4.73	43	155887	48.464	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	663356	53.219	ug/l	97
20) Methylene Chloride	4.96	84	335598	60.863	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	316088	51.425	ug/l	98
22) Diisopropyl ether	6.37	45	922576	55.108	ug/l	98
23) Vinyl Acetate	6.31	43	2660127	269.529	ug/l	98
24) 1,1-Dichloroethane	6.26	63	533506	52.990	ug/l	98
25) 2-Butanone	7.22	43	375245	240.624	ug/l	99
26) 2,2-Dichloropropane	7.21	77	473629	54.094	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	345981	51.630	ug/l	99
28) Bromochloromethane	7.54	49	182026	52.903	ug/l	99
29) Tetrahydrofuran	7.57	42	238473	240.356	ug/l	98
30) Chloroform	7.71	83	555732	53.298	ug/l	98
31) Cyclohexane	7.98	56	467669	53.529	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	509868	52.744	ug/l	100
36) 1,1-Dichloropropene	8.11	75	418070	50.524	ug/l	99
37) Ethyl Acetate	7.30	43	177003	50.413	ug/l	99
38) Carbon Tetrachloride	8.09	117	462403	52.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	572032	55.730	ug/l	97
40) Benzene	8.35	78	1181807	51.423	ug/l	98
41) Methacrylonitrile	7.53	41	103390	51.347	ug/l	91
42) 1,2-Dichloroethane	8.43	62	352324	52.568	ug/l	99
43) Isopropyl Acetate	8.46	43	367862	53.286	ug/l	97
44) Trichloroethene	9.11	130	354856	51.259	ug/l	98
45) 1,2-Dichloropropane	9.39	63	287001	52.216	ug/l	98
46) Dibromomethane	9.48	93	156423	50.424	ug/l	99
47) Bromodichloromethane	9.66	83	428289	53.732	ug/l	99
48) Methyl methacrylate	9.46	41	161354	51.078	ug/l	93
49) 1,4-Dioxane	9.46	88	37077	967.893	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	848053	248.274	ug/l	100
52) Toluene	10.40	92	778602	51.984	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	400127	52.672	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	472979	52.411	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	282324	66.465	ug/l	98
56) Ethyl methacrylate	10.66	69	386844	71.404	ug/l	90
57) 1,3-Dichloropropane	10.94	76	370241	51.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	511004	236.608	ug/l	99
59) 2-Hexanone	10.98	43	582581m	245.796	ug/l	
60) Dibromochloromethane	11.14	129	296040	51.402	ug/l	96
61) 1,2-Dibromoethane	11.25	107	213661	50.378	ug/l	98
64) Tetrachloroethene	10.88	164	307691	50.130	ug/l	93
65) Chlorobenzene	11.67	112	826392	49.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	313861	50.505	ug/l	99
67) Ethyl Benzene	11.74	91	1508212	50.495	ug/l	98
68) m/p-Xylenes	11.86	106	1158714	101.744	ug/l	98
69) o-Xylene	12.18	106	537314	51.085	ug/l	99
70) Styrene	12.20	104	932025	50.993	ug/l	99
71) Bromoform	12.36	173	177838	47.832	ug/l #	98
73) Isopropylbenzene	12.48	105	1461251	50.736	ug/l	100
74) N-amyl acetate	12.29	43	419711	64.208	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.74	83	225331	47.311	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	169102m	51.349	ug/l	
77) Bromobenzene	12.77	156	354393	49.828	ug/l	98
78) n-propylbenzene	12.83	91	1678145	50.500	ug/l	99
79) 2-Chlorotoluene	12.91	91	937635	51.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1201165	51.035	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	73273	48.516	ug/l	92
82) 4-Chlorotoluene	13.01	91	987823	51.024	ug/l	98
83) tert-Butylbenzene	13.23	119	1061886	51.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1194138	50.458	ug/l	98
85) sec-Butylbenzene	13.41	105	1427003	50.814	ug/l	100
86) p-Isopropyltoluene	13.52	119	1352618	51.017	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	672992	49.855	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	659649	49.496	ug/l	99
89) n-Butylbenzene	13.85	91	1220179	50.678	ug/l	99
90) Hexachloroethane	14.12	117	240698	48.538	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	575787	49.910	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	35586	50.005	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	430327	48.706	ug/l	99
94) Hexachlorobutadiene	15.28	225	265655	48.706	ug/l	99
95) Naphthalene	15.41	128	737856	50.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	357974	47.466	ug/l	98

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

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