

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064579.D
 Acq On : 23 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:18 AM

Quant Time: Dec 24 06:34:18 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	389378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	522089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	196688	55.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.62%		
35) Dibromofluoromethane	7.92	113	195540	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.34%		
50) Toluene-d8	10.34	98	745493	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.60%		
62) 4-Bromofluorobenzene	12.64	95	235821	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	149693	42.428	ug/l	100
3) Chloromethane	2.21	50	217352	48.844	ug/l	99
4) Vinyl Chloride	2.35	62	254884	49.608	ug/l	99
5) Bromomethane	2.77	94	188948	49.729	ug/l	99
6) Chloroethane	2.93	64	179375	52.232	ug/l	96
7) Trichlorofluoromethane	3.27	101	430120	50.357	ug/l	98
8) Diethyl Ether	3.71	74	92984	52.388	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	176918	48.308	ug/l	97
10) Methyl Iodide	4.30	142	212803	55.023	ug/l	99
11) Tert butyl alcohol	5.24	59	52695	234.880	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	172488	49.147	ug/l	98
13) Acrolein	3.93	56	71655	234.161	ug/l	100
14) Allyl chloride	4.71	41	280844	51.274	ug/l	99
15) Acrylonitrile	5.43	53	196217	252.807	ug/l	96
16) Acetone	4.17	43	149378	209.736	ug/l	100
17) Carbon Disulfide	4.40	76	565879	50.908	ug/l	99
18) Methyl Acetate	4.73	43	98173	47.256	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	414130	51.441	ug/l	99
20) Methylene Chloride	4.96	84	201824	56.334	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	202864	51.100	ug/l	97
22) Diisopropyl ether	6.37	45	577978	53.453	ug/l	97
23) Vinyl Acetate	6.31	43	1675871	262.901	ug/l	98
24) 1,1-Dichloroethane	6.27	63	346564	53.296	ug/l	98
25) 2-Butanone	7.22	43	236568	234.871	ug/l	99
26) 2,2-Dichloropropane	7.21	77	285704	50.522	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	225584	52.120	ug/l	99
28) Bromochloromethane	7.55	49	135899	61.153	ug/l	99
29) Tetrahydrofuran	7.57	42	155482	242.630	ug/l	98
30) Chloroform	7.71	83	368021	54.647	ug/l	99
31) Cyclohexane	7.98	56	300219	53.172	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	323047	51.740	ug/l	99
36) 1,1-Dichloropropene	8.11	75	273603	49.087	ug/l	99
37) Ethyl Acetate	7.30	43	118908	50.276	ug/l	98
38) Carbon Tetrachloride	8.10	117	297632	50.594	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	325534	47.083	ug/l	98
40) Benzene	8.36	78	790976	51.094	ug/l	100
41) Methacrylonitrile	7.53	41	64201	47.334	ug/l	91
42) 1,2-Dichloroethane	8.43	62	228622	50.640	ug/l	99
43) Isopropyl Acetate	8.46	43	226769	48.765	ug/l	99
44) Trichloroethene	9.11	130	224846	48.216	ug/l	100
45) 1,2-Dichloropropane	9.39	63	191475	51.717	ug/l	99
46) Dibromomethane	9.47	93	107697	51.539	ug/l	97
47) Bromodichloromethane	9.66	83	282172	52.554	ug/l	97
48) Methyl methacrylate	9.46	41	103641	48.705	ug/l	95
49) 1,4-Dioxane	9.47	88	24133	935.251	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	555279	241.332	ug/l	99
52) Toluene	10.40	92	514704	51.016	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	263293	51.454	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	314121	51.674	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	140668	49.162	ug/l	96
56) Ethyl methacrylate	10.66	69	182990	50.142	ug/l	98
57) 1,3-Dichloropropane	10.95	76	246289	50.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	296441	203.769	ug/l	100
59) 2-Hexanone	10.98	43	371712	232.819	ug/l	98
60) Dibromochloromethane	11.14	129	193665	49.920	ug/l	97
61) 1,2-Dibromoethane	11.25	107	138727	48.559	ug/l	99
64) Tetrachloroethene	10.88	164	191183	48.020	ug/l	96
65) Chlorobenzene	11.67	112	555670	51.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209216	51.902	ug/l	99
67) Ethyl Benzene	11.74	91	991608	51.182	ug/l	96
68) m/p-Xylenes	11.86	106	763270	103.324	ug/l	99
69) o-Xylene	12.18	106	352867	51.721	ug/l	100
70) Styrene	12.20	104	624556	52.679	ug/l	99
71) Bromoform	12.36	173	119860	49.700	ug/l #	98
73) Isopropylbenzene	12.48	105	929545	48.545	ug/l	100
74) N-amyl acetate	12.29	43	208492	47.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	149804	47.309	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90254m	41.222	ug/l	
77) Bromobenzene	12.77	156	231761	49.013	ug/l	99
78) n-propylbenzene	12.83	91	1084724	49.097	ug/l	99
79) 2-Chlorotoluene	12.91	91	597002	49.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	777036	49.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	49106	48.905	ug/l	97
82) 4-Chlorotoluene	13.01	91	639021	49.647	ug/l	100
83) tert-Butylbenzene	13.23	119	669188	49.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	775614	49.294	ug/l	98
85) sec-Butylbenzene	13.41	105	900097	48.208	ug/l	100
86) p-Isopropyltoluene	13.53	119	875020	49.641	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	447261	49.835	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	438835	49.526	ug/l	100
89) n-Butylbenzene	13.85	91	771500	48.196	ug/l	99
90) Hexachloroethane	14.12	117	160598	48.711	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	378182	49.307	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23774	50.271	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278451	47.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	164472	45.356	ug/l	99
95) Naphthalene	15.41	128	442484	45.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	235679	47.003	ug/l	99

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

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