

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064684.D
 Acq On : 31 Dec 2019 09:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:51 AM

Quant Time: Jan 01 00:52:19 2020
 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	398384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	573600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	496717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187137	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	7.91	113	193684	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.34	98	739383	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.64	95	231524	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	146001	47.157	ug/l	97
3) Chloromethane	2.21	50	205040	47.354	ug/l	98
4) Vinyl Chloride	2.35	62	247433	46.867	ug/l	98
5) Bromomethane	2.77	94	169571	44.174	ug/l	94
6) Chloroethane	2.93	64	168445	47.617	ug/l	98
7) Trichlorofluoromethane	3.27	101	422799	47.562	ug/l	94
8) Diethyl Ether	3.71	74	80598	45.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180063	48.911	ug/l	99
10) Methyl Iodide	4.29	142	198762	50.263	ug/l	100
11) Tert butyl alcohol	5.24	59	49374	245.244	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	170511	48.649	ug/l	94
13) Acrolein	3.92	56	53039	189.035	ug/l	98
14) Allyl chloride	4.71	41	273461	50.042	ug/l	99
15) Acrylonitrile	5.43	53	170814	232.312	ug/l	99
16) Acetone	4.16	43	207902	285.472	ug/l	97
17) Carbon Disulfide	4.40	76	531437	46.893	ug/l	99
18) Methyl Acetate	4.72	43	93242	47.146	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	372500	47.849	ug/l	96
20) Methylene Chloride	4.96	84	183063	51.057	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	198745	49.791	ug/l	99
22) Diisopropyl ether	6.37	45	542476	49.770	ug/l	100
23) Vinyl Acetate	6.30	43	1494376	241.693	ug/l	97
24) 1,1-Dichloroethane	6.26	63	330390	50.492	ug/l	99
25) 2-Butanone	7.21	43	238151	246.632	ug/l	96
26) 2,2-Dichloropropane	7.21	77	316746	52.064	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	213523	49.566	ug/l	98
28) Bromochloromethane	7.54	49	128870	50.664	ug/l	100
29) Tetrahydrofuran	7.57	42	134237	223.545	ug/l	100
30) Chloroform	7.71	83	346335	50.448	ug/l	96
31) Cyclohexane	7.98	56	303478	46.333	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	330597	51.270	ug/l	98
36) 1,1-Dichloropropene	8.11	75	273016	49.451	ug/l	98
37) Ethyl Acetate	7.30	43	101447	46.774	ug/l	100
38) Carbon Tetrachloride	8.09	117	300692	51.078	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	327115	48.920	ug/l	99
40) Benzene	8.35	78	752252	49.913	ug/l	99
41) Methacrylonitrile	7.53	41	67603	53.722	ug/l	94
42) 1,2-Dichloroethane	8.43	62	216452	49.699	ug/l	98
43) Isopropyl Acetate	8.45	43	198753	46.040	ug/l	98
44) Trichloroethene	9.11	130	217215	49.060	ug/l	99
45) 1,2-Dichloropropane	9.38	63	179802	49.966	ug/l	98
46) Dibromomethane	9.47	93	96511	48.104	ug/l	99
47) Bromodichloromethane	9.66	83	267437	50.094	ug/l	98
48) Methyl methacrylate	9.46	41	93644	46.069	ug/l	94
49) 1,4-Dioxane	9.46	88	20519	886.970	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	496839	232.843	ug/l	99
52) Toluene	10.40	92	492777	49.836	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	247587	49.743	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	292901	49.907	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	128767	47.624	ug/l	94
56) Ethyl methacrylate	10.66	69	161061	47.697	ug/l	98
57) 1,3-Dichloropropane	10.95	76	221280	47.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	274186	213.126	ug/l	100
59) 2-Hexanone	10.98	43	368435	254.400	ug/l	100
60) Dibromochloromethane	11.14	129	177849	47.566	ug/l	97
61) 1,2-Dibromoethane	11.25	107	126225	47.332	ug/l	99
64) Tetrachloroethene	10.87	164	187579	49.224	ug/l	99
65) Chlorobenzene	11.67	112	512861	49.748	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	197146	50.727	ug/l	99
67) Ethyl Benzene	11.74	91	945260	50.516	ug/l	99
68) m/p-Xylenes	11.86	106	717860	99.393	ug/l	97
69) o-Xylene	12.18	106	323680	49.616	ug/l	98
70) Styrene	12.20	104	575908	50.294	ug/l	99
71) Bromoform	12.36	173	105155	47.445	ug/l #	99
73) Isopropylbenzene	12.48	105	896595	51.237	ug/l	99
74) N-amyl acetate	12.29	43	182764	48.859	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	129530	47.120	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	79758m	41.247	ug/l	
77) Bromobenzene	12.77	156	213745	49.711	ug/l	99
78) n-propylbenzene	12.83	91	1042323	51.057	ug/l	100
79) 2-Chlorotoluene	12.91	91	568770	50.717	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	735454	51.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44957	48.626	ug/l	98
82) 4-Chlorotoluene	13.01	91	598176	50.121	ug/l	99
83) tert-Butylbenzene	13.23	119	637124	51.049	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	729825	50.979	ug/l	99
85) sec-Butylbenzene	13.41	105	880228	51.444	ug/l	100
86) p-Isopropyltoluene	13.53	119	831523	50.824	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	409206	49.923	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	394973	49.051	ug/l	100
89) n-Butylbenzene	13.85	91	760529	51.619	ug/l	99
90) Hexachloroethane	14.12	117	157445	50.378	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	342904	49.060	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	20307	45.569	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	245410	47.685	ug/l	100
94) Hexachlorobutadiene	15.28	225	155444	47.999	ug/l	97
95) Naphthalene	15.41	128	383329	47.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	207427	47.212	ug/l	99

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

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