

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064747.D
 Acq On : 03 Jan 2020 21:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:49:57 AM

Quant Time: Jan 06 07:42:29 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	347160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244691	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	183040	59.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.58%	
35) Dibromofluoromethane	7.91	113	179227	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.34	98	672094	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.64	95	216873	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	124425	46.118	ug/l	98
3) Chloromethane	2.21	50	196519	52.083	ug/l	99
4) Vinyl Chloride	2.35	62	233546	50.764	ug/l	97
5) Bromomethane	2.77	94	165904	49.596	ug/l	91
6) Chloroethane	2.92	64	168046	54.513	ug/l	96
7) Trichlorofluoromethane	3.27	101	390586	50.422	ug/l	100
8) Diethyl Ether	3.70	74	85265	55.429	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	158909	49.534	ug/l	96
10) Methyl Iodide	4.29	142	174673	50.689	ug/l	99
11) Tert butyl alcohol	5.26	59	53319	303.917	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	153954	50.406	ug/l	98
13) Acrolein	3.92	56	72834	297.888	ug/l	99
14) Allyl chloride	4.71	41	253108	53.152	ug/l	99
15) Acrylonitrile	5.43	53	199333	311.100	ug/l	99
16) Acetone	4.17	43	163320	253.803	ug/l	95
17) Carbon Disulfide	4.40	76	474229	48.019	ug/l	99
18) Methyl Acetate	4.73	43	107049	62.114	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	402999	59.405	ug/l	97
20) Methylene Chloride	4.96	84	188919	61.463	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	184598	53.071	ug/l	97
22) Diisopropyl ether	6.37	45	559178	58.872	ug/l	100
23) Vinyl Acetate	6.31	43	1623364	301.295	ug/l	100
24) 1,1-Dichloroethane	6.27	63	326488	57.258	ug/l	99
25) 2-Butanone	7.22	43	253917	301.759	ug/l	98
26) 2,2-Dichloropropane	7.21	77	261096	49.249	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211629	56.375	ug/l	98
28) Bromochloromethane	7.55	49	136698	61.671	ug/l	99
29) Tetrahydrofuran	7.57	42	165076	315.464	ug/l	97
30) Chloroform	7.71	83	345030	57.674	ug/l	96
31) Cyclohexane	7.98	56	268948	47.120	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	300271	53.438	ug/l	100
36) 1,1-Dichloropropene	8.11	75	252403	48.681	ug/l	99
37) Ethyl Acetate	7.30	43	115825	56.865	ug/l	98
38) Carbon Tetrachloride	8.10	117	278433	50.363	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294335	46.871	ug/l	97
40) Benzene	8.36	78	741065	52.358	ug/l	97
41) Methacrylonitrile	7.54	41	66247m	56.057	ug/l	
42) 1,2-Dichloroethane	8.43	62	232130	56.754	ug/l	98
43) Isopropyl Acetate	8.46	43	229660	56.648	ug/l	100
44) Trichloroethene	9.11	130	211426	50.848	ug/l	94
45) 1,2-Dichloropropane	9.39	63	183042	54.164	ug/l	99
46) Dibromomethane	9.48	93	102972	54.652	ug/l	98
47) Bromodichloromethane	9.67	83	270095	53.872	ug/l	95
48) Methyl methacrylate	9.46	41	105074	55.043	ug/l	88
49) 1,4-Dioxane	9.47	88	25234	1161.492	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	592647	295.748	ug/l	100
52) Toluene	10.41	92	486063	52.343	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256350	54.842	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	299501	54.339	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	140453	55.314	ug/l	96
56) Ethyl methacrylate	10.67	69	184001	58.023	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243029	55.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320733	265.468	ug/l	99
59) 2-Hexanone	10.99	43	393570	289.372	ug/l	99
60) Dibromochloromethane	11.14	129	196385	55.928	ug/l	100
61) 1,2-Dibromoethane	11.25	107	138421	55.270	ug/l	100
64) Tetrachloroethene	10.88	164	194056	52.322	ug/l	98
65) Chlorobenzene	11.67	112	520096	51.835	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	202611	53.564	ug/l	100
67) Ethyl Benzene	11.75	91	921607	50.605	ug/l	96
68) m/p-Xylenes	11.86	106	721841	102.689	ug/l	99
69) o-Xylene	12.18	106	331827	52.262	ug/l	100
70) Styrene	12.20	104	597893	53.648	ug/l	99
71) Bromoform	12.37	173	119638	55.462	ug/l #	100
73) Isopropylbenzene	12.48	105	878132	50.219	ug/l	99
74) N-amyl acetate	12.30	43	211784	56.658	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	154182	56.129	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101975m	52.776	ug/l	
77) Bromobenzene	12.77	156	225532	52.491	ug/l	99
78) n-propylbenzene	12.83	91	1032676	50.622	ug/l	100
79) 2-Chlorotoluene	12.91	91	575687	51.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	730200	50.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49848	53.956	ug/l	99
82) 4-Chlorotoluene	13.01	91	609626	51.118	ug/l	100
83) tert-Butylbenzene	13.23	119	620443	49.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	736320	51.471	ug/l	98
85) sec-Butylbenzene	13.41	105	851728	49.815	ug/l	100
86) p-Isopropyltoluene	13.53	119	822863	50.332	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	423337	51.685	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	421517	52.386	ug/l	99
89) n-Butylbenzene	13.86	91	737312	50.080	ug/l	99
90) Hexachloroethane	14.12	117	155851	49.905	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	371752	53.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24979	56.094	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	262075	50.961	ug/l	98
94) Hexachlorobutadiene	15.28	225	147880	45.697	ug/l	96
95) Naphthalene	15.41	128	444940	54.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	229868	52.358	ug/l	99

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

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