

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064768.D
 Acq On : 04 Jan 2020 08:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 8.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:21 AM

Quant Time: Jan 06 08:31:57 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	329003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	471673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236393	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	175032	60.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.66%	
35) Dibromofluoromethane	7.92	113	170336	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
50) Toluene-d8	10.34	98	642891	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.64	95	210379	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	114890	44.934	ug/l	98
3) Chloromethane	2.21	50	193380	54.079	ug/l	96
4) Vinyl Chloride	2.35	62	227274	52.127	ug/l	94
5) Bromomethane	2.77	94	169188	53.369	ug/l	94
6) Chloroethane	2.92	64	161366	55.235	ug/l	99
7) Trichlorofluoromethane	3.27	101	352148	47.969	ug/l	98
8) Diethyl Ether	3.71	74	86460	59.308	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	141402	46.509	ug/l	98
10) Methyl Iodide	4.29	142	179662	55.014	ug/l	99
11) Tert butyl alcohol	5.26	59	53770	323.402	ug/l	96
12) 1,1-Dichloroethene	4.06	96	145859	50.391	ug/l	99
13) Acrolein	3.92	56	66431	286.694	ug/l	100
14) Allyl chloride	4.71	41	248835	55.138	ug/l	99
15) Acrylonitrile	5.43	53	189401	311.912	ug/l	98
16) Acetone	4.17	43	146764	239.188	ug/l	96
17) Carbon Disulfide	4.40	76	451920	48.285	ug/l	97
18) Methyl Acetate	4.73	43	98860	60.528	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	396680	61.700	ug/l	96
20) Methylene Chloride	4.97	84	187235	64.525	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	182560	55.381	ug/l	99
22) Diisopropyl ether	6.37	45	557879	61.977	ug/l	97
23) Vinyl Acetate	6.31	43	1576803	308.805	ug/l	99
24) 1,1-Dichloroethane	6.27	63	321030	59.408	ug/l	97
25) 2-Butanone	7.22	43	232399	291.429	ug/l	99
26) 2,2-Dichloropropane	7.21	77	235347	46.842	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	207479	58.320	ug/l	99
28) Bromochloromethane	7.55	49	134588	64.070	ug/l	99
29) Tetrahydrofuran	7.57	42	156757	316.098	ug/l	97
30) Chloroform	7.71	83	345967	61.022	ug/l	99
31) Cyclohexane	7.99	56	244014	45.111	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	296325	55.646	ug/l	99
36) 1,1-Dichloropropene	8.11	75	243982	49.360	ug/l	99
37) Ethyl Acetate	7.30	43	110962	57.143	ug/l	99
38) Carbon Tetrachloride	8.10	117	261409	49.598	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	260664	43.540	ug/l	96
40) Benzene	8.35	78	737553	54.660	ug/l	98
41) Methacrylonitrile	7.53	41	64039m	56.840	ug/l	
42) 1,2-Dichloroethane	8.43	62	224803	57.652	ug/l	98
43) Isopropyl Acetate	8.46	43	218016	56.407	ug/l	99
44) Trichloroethene	9.11	130	201356	50.796	ug/l	98
45) 1,2-Dichloropropane	9.39	63	182987	56.797	ug/l	99
46) Dibromomethane	9.48	93	103481	57.610	ug/l	98
47) Bromodichloromethane	9.67	83	272407	56.992	ug/l	98
48) Methyl methacrylate	9.46	41	100244	55.083	ug/l	89
49) 1,4-Dioxane	9.47	88	24008	1159.140	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	553392	289.673	ug/l	99
52) Toluene	10.41	92	479793	54.197	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	251857	56.518	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	291009	55.382	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	137046	56.613	ug/l	96
56) Ethyl methacrylate	10.66	69	176015	58.221	ug/l	99
57) 1,3-Dichloropropane	10.95	76	239955	57.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310186	269.302	ug/l	98
59) 2-Hexanone	10.99	43	376935	290.704	ug/l	99
60) Dibromochloromethane	11.14	129	194234	58.022	ug/l	100
61) 1,2-Dibromoethane	11.25	107	130530	54.669	ug/l	99
64) Tetrachloroethene	10.88	164	186752	51.609	ug/l	98
65) Chlorobenzene	11.67	112	517588	52.872	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	201902	54.709	ug/l	99
67) Ethyl Benzene	11.75	91	922971	51.944	ug/l	98
68) m/p-Xylenes	11.86	106	708629	103.325	ug/l	98
69) o-Xylene	12.18	106	328978	53.106	ug/l	100
70) Styrene	12.20	104	603287	55.482	ug/l	98
71) Bromoform	12.37	173	115326	54.797	ug/l #	100
73) Isopropylbenzene	12.48	105	861766	51.013	ug/l	99
74) N-amyl acetate	12.30	43	202958	56.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	147299	55.506	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	95686m	51.259	ug/l	
77) Bromobenzene	12.77	156	218071	52.536	ug/l	98
78) n-propylbenzene	12.83	91	1000567	50.770	ug/l	100
79) 2-Chlorotoluene	12.91	91	565008	52.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	718445	51.773	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	44970	50.385	ug/l	98
82) 4-Chlorotoluene	13.01	91	597896	51.895	ug/l	99
83) tert-Butylbenzene	13.23	119	610314	50.654	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	727544	52.642	ug/l	98
85) sec-Butylbenzene	13.41	105	821945	49.760	ug/l	100
86) p-Isopropyltoluene	13.53	119	791120	50.089	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	414985	52.443	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	405537	52.169	ug/l	99
89) n-Butylbenzene	13.86	91	702033	49.358	ug/l	98
90) Hexachloroethane	14.12	117	158437	52.514	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	360553	53.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23387	54.363	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	255332	51.393	ug/l	98
94) Hexachlorobutadiene	15.28	225	141037	45.112	ug/l	97
95) Naphthalene	15.41	128	427902	54.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	225015	53.052	ug/l	98

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

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