

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064059.D
 Acq On : 24 Oct 2019 21:32
 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

MMDadoda
 10/25/2019 4:47:57 PM

Quant Time: Oct 25 05:33:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	116002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	194201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	219968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68399	60.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.12%	
35) Dibromofluoromethane	7.92	113	65960	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
50) Toluene-d8	10.34	98	276620	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	98612	58.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	34383	41.795	ug/l	94
3) Chloromethane	2.21	50	131864	60.237	ug/l	97
4) Vinyl Chloride	2.35	62	139960	52.639	ug/l	99
5) Bromomethane	2.77	94	93774	54.859	ug/l	89
6) Chloroethane	2.92	64	102311	58.185	ug/l	99
7) Trichlorofluoromethane	3.27	101	206526	58.749	ug/l	95
8) Diethyl Ether	3.71	74	33253	58.933	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	41055	42.190	ug/l	94
10) Methyl Iodide	4.30	142	53968	40.249	ug/l	99
11) Tert butyl alcohol	5.24	59	21873	279.735	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	39518	40.648	ug/l	97
13) Acrolein	3.93	56	27156	269.223	ug/l	93
14) Allyl chloride	4.71	41	85279	52.761	ug/l	92
15) Acrylonitrile	5.43	53	82942	333.412	ug/l	96
16) Acetone	4.17	43	69562	236.577	ug/l #	83
17) Carbon Disulfide	4.41	76	133123	37.669	ug/l #	92
18) Methyl Acetate	4.73	43	38911	67.659	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	141109	56.052	ug/l	94
20) Methylene Chloride	4.97	84	89462	69.760	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	60513	50.000	ug/l	90
22) Diisopropyl ether	6.36	45	207558	62.876	ug/l	95
23) Vinyl Acetate	6.31	43	624675	318.101	ug/l	98
24) 1,1-Dichloroethane	6.27	63	116229	57.162	ug/l	96
25) 2-Butanone	7.22	43	107347	308.058	ug/l	97
26) 2,2-Dichloropropane	7.21	77	85786	46.640	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	76424	55.790	ug/l	99
28) Bromochloromethane	7.55	49	56341	72.029	ug/l	91
29) Tetrahydrofuran	7.57	42	66278	325.863	ug/l	97
30) Chloroform	7.71	83	131443	59.519	ug/l	96
31) Cyclohexane	7.98	56	89602	53.586	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	103055	54.399	ug/l	97
36) 1,1-Dichloropropene	8.11	75	87530	49.295	ug/l	97
37) Ethyl Acetate	7.30	43	44597	63.732	ug/l	96
38) Carbon Tetrachloride	8.10	117	88128	49.114	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	104139	47.700	ug/l	99
40) Benzene	8.36	78	283261	55.668	ug/l	94
41) Methacrylonitrile	7.53	41	21062m	51.162	ug/l	
42) 1,2-Dichloroethane	8.43	62	85294	57.948	ug/l	99
43) Isopropyl Acetate	8.46	43	84328	56.630	ug/l	97
44) Trichloroethene	9.11	130	80088	54.582	ug/l	99
45) 1,2-Dichloropropane	9.39	63	73095	58.689	ug/l	93
46) Dibromomethane	9.48	93	45036	63.493	ug/l	98
47) Bromodichloromethane	9.67	83	108396	59.356	ug/l	93
48) Methyl methacrylate	9.46	41	39466	55.315	ug/l	96
49) 1,4-Dioxane	9.47	88	11184	1155.129	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	240493	311.405	ug/l	96
52) Toluene	10.41	92	205740	58.899	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	105960	59.460	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	120473	58.729	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	65208	65.110	ug/l	91
56) Ethyl methacrylate	10.67	69	77594	61.181	ug/l	96
57) 1,3-Dichloropropane	10.95	76	107913	62.976	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	163796	300.459	ug/l	94
59) 2-Hexanone	10.99	43	170049	304.395	ug/l	97
60) Dibromochloromethane	11.14	129	86218	66.125	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64047	65.965	ug/l	99
64) Tetrachloroethene	10.88	164	75901	50.544	ug/l	94
65) Chlorobenzene	11.67	112	239284	54.166	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	89882	55.218	ug/l	99
67) Ethyl Benzene	11.75	91	413618	51.925	ug/l	98
68) m/p-Xylenes	11.86	106	330069	107.354	ug/l	97
69) o-Xylene	12.18	106	157421	53.471	ug/l	95
70) Styrene	12.20	104	280795	56.341	ug/l	99
71) Bromoform	12.37	173	53913	61.715	ug/l #	98
73) Isopropylbenzene	12.48	105	407704	47.080	ug/l	99
74) N-amyl acetate	12.29	43	87928	47.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	78021	51.775	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	45416m	52.638	ug/l	
77) Bromobenzene	12.76	156	110598	51.261	ug/l	98
78) n-propylbenzene	12.83	91	490508	48.255	ug/l	98
79) 2-Chlorotoluene	12.91	91	273484	48.794	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	348366	48.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22217	45.567	ug/l	96
82) 4-Chlorotoluene	13.01	91	290536	48.865	ug/l	97
83) tert-Butylbenzene	13.23	119	320637	49.867	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	371651	49.898	ug/l	100
85) sec-Butylbenzene	13.40	105	423744	48.800	ug/l	99
86) p-Isopropyltoluene	13.52	119	422832	51.460	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	222186	52.119	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	221674	52.708	ug/l	98
89) n-Butylbenzene	13.85	91	379301	49.593	ug/l	96
90) Hexachloroethane	14.11	117	78690	53.247	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	203933	55.510	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14165	61.042	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141474	49.907	ug/l	97
94) Hexachlorobutadiene	15.27	225	76706	49.035	ug/l	97
95) Naphthalene	15.41	128	265603	55.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	132771	54.285	ug/l	99

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

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