

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061299.D
 Acq On : 25 Mar 2019 12:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:28 PM

Quant Time: Mar 26 02:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	733380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1280641	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	989397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	455231	71.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.84%	
35) Dibromofluoromethane	6.93	113	711964	72.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.30%	
50) Toluene-d8	10.41	98	1763491	74.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.44%	
62) 4-Bromofluorobenzene	13.55	95	608431	65.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.28%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.59	85	471391	62.830	ug/l	98
3) Chloromethane	1.77	50	371969	63.565	ug/l	96
4) Vinyl Chloride	1.86	62	333848	61.025	ug/l	97
5) Bromomethane	2.16	94	66744	58.927	ug/l	98
6) Chloroethane	2.28	64	112858	65.548	ug/l	99
7) Trichlorofluoromethane	2.54	101	486660	60.085	ug/l	98
8) Diethyl Ether	2.88	74	170586	70.919	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	520925	63.268	ug/l	98
10) Methyl Iodide	3.32	142	856509	74.465	ug/l	99
11) Tert butyl alcohol	4.07	59	117795	349.638	ug/l	96
12) 1,1-Dichloroethene	3.14	96	444538	62.753	ug/l	99
13) Acrolein	3.05	56	121828	329.912	ug/l	95
14) Allyl chloride	3.64	41	661947	65.980	ug/l	99
15) Acrylonitrile	4.21	53	387081	326.687	ug/l	100
16) Acetone	3.23	43	545159	359.769	ug/l	97
17) Carbon Disulfide	3.39	76	1480115	62.858	ug/l	100
18) Methyl Acetate	3.65	43	188519	65.879	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	793385	63.557	ug/l	99
20) Methylene Chloride	3.82	84	513122	59.716	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	499880	63.044	ug/l	96
22) Diisopropyl ether	5.13	45	1343653	63.582	ug/l	99
23) Vinyl Acetate	5.07	43	3603336	319.404	ug/l	99
24) 1,1-Dichloroethane	5.00	63	814730	66.061	ug/l	99
25) 2-Butanone	6.08	43	618533	353.251	ug/l	99
26) 2,2-Dichloropropane	6.04	77	664302	63.509	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	567434	66.550	ug/l	97
28) Bromochloromethane	6.44	49	390129	75.568	ug/l	100
29) Tetrahydrofuran	6.46	42	278822	319.916	ug/l	97
30) Chloroform	6.67	83	864815	65.768	ug/l	99
31) Cyclohexane	6.96	56	697880	69.716	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	763622	65.583	ug/l	99
36) 1,1-Dichloropropene	7.15	75	655457	62.580	ug/l	99
37) Ethyl Acetate	6.19	43	277806	63.686	ug/l	97
38) Carbon Tetrachloride	7.12	117	748216m	60.439	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	686835	63.263	ug/l	98
40) Benzene	7.47	78	1623346	62.344	ug/l	99
41) Methacrylonitrile	6.45	41	317302	62.379	ug/l	97
42) 1,2-Dichloroethane	7.58	62	499985	61.621	ug/l	99
43) Isopropyl Acetate	9.24	43	417647	66.186	ug/l #	97
44) Trichloroethene	8.54	130	583822	62.036	ug/l	97
45) 1,2-Dichloropropane	8.94	63	420507	65.474	ug/l	97
46) Dibromomethane	9.06	93	281223	63.864	ug/l	96
47) Bromodichloromethane	9.38	83	633960	61.434	ug/l	99
48) Methyl methacrylate	9.12	41	223551	66.376	ug/l	97
49) 1,4-Dioxane	9.09	88	52610	1423.688	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	1141638	303.918	ug/l	99
52) Toluene	10.51	92	1012331	63.580	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	600010	66.910	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	699047	63.840	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	337453	63.837	ug/l	98
56) Ethyl methacrylate	11.05	69	359069	63.656	ug/l	95
57) 1,3-Dichloropropane	11.41	76	519611	65.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1029771	350.914	ug/l	100
59) 2-Hexanone	11.53	43	858170	314.550	ug/l	100
60) Dibromochloromethane	11.69	129	532605	64.327	ug/l	98
61) 1,2-Dibromoethane	11.81	107	403426	65.318	ug/l	99
64) Tetrachloroethene	11.26	164	443899	65.129	ug/l	99
65) Chlorobenzene	12.40	112	1179474	64.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	454225	64.288	ug/l	97
67) Ethyl Benzene	12.53	91	1609928	57.725	ug/l	99
68) m/p-Xylenes	12.67	106	1404529	129.012	ug/l	97
69) o-Xylene	13.05	106	661061	65.471	ug/l	97
70) Styrene	13.08	104	1119655	65.337	ug/l	97
71) Bromoform	13.24	173	289047	66.853	ug/l	99
73) Isopropylbenzene	13.40	105	1720061	58.011	ug/l	98
74) N-amyl acetate	13.26	43	460661	59.384	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	346847	60.322	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	364278	64.255	ug/l	98
77) Bromobenzene	13.67	156	520099	62.797	ug/l	94
78) n-propylbenzene	13.78	91	1948396	58.245	ug/l	96
79) 2-Chlorotoluene	13.85	91	1059841	54.525	ug/l	94
80) 1,3,5-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	118663	66.324	ug/l	99
82) 4-Chlorotoluene	13.94	91	1236147	58.055	ug/l	96
83) tert-Butylbenzene	14.19	119	1728389	64.717	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
85) sec-Butylbenzene	14.37	105	1690270	56.830	ug/l	98
86) p-Isopropyltoluene	14.50	119	1646355	62.044	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	937572	63.865	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	888297	62.465	ug/l	98
89) n-Butylbenzene	14.80	91	1288423	54.690	ug/l	96
90) Hexachloroethane	15.01	117	461595	64.881	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	658205	56.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	51620	71.845	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	373439	69.028	ug/l	97
94) Hexachlorobutadiene	16.04	225	290975	66.745	ug/l	99
95) Naphthalene	16.12	128	540315	68.459	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	188904	74.760	ug/l	97

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

