

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059391.D
 Acq On : 25 Jun 2018 2:15
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 25 06:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	934372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1228070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1000445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	475068	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	993453	105.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	211.38%		
35) Dibromofluoromethane	5.56	113	1002765	100.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	201.52%		
50) Toluene-d8	8.72	98	2270266	94.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	189.86%		
62) 4-Bromofluorobenzene	11.94	95	914674	93.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	186.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	768621	82.43	ug/l	99
3) Chloromethane	1.49	50	390582	84.81	ug/l	# 86
4) Vinyl Chloride	1.56	62	440837	91.40	ug/l	92
5) Bromomethane	1.80	94	146246	81.96	ug/l	95
6) Chloroethane	1.88	64	146181	80.80	ug/l	91
7) Trichlorofluoromethane	2.08	101	600081	88.92	ug/l	98
8) Diethyl Ether	2.35	74	149246	105.39	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.56	101	390016	92.00	ug/l	94
10) Methyl Iodide	2.69	142	550433	113.30	ug/l	100
11) Tert butyl alcohol	3.27	59	150114	472.43	ug/l	99
12) 1,1-Dichloroethene	2.55	96	299391	94.43	ug/l	96
13) Acrolein	2.48	56	145154	714.25	ug/l	99
14) Allyl chloride	2.93	41	728903	99.54	ug/l	98
15) Acrylonitrile	3.37	53	490008	577.60	ug/l	98
16) Acetone	2.62	43	549154	438.35	ug/l	98
17) Carbon Disulfide	2.76	76	956559	89.54	ug/l	97
18) Methyl Acetate	2.95	43	281462	102.29	ug/l	# 93
19) Methyl tert-butyl Ether	3.41	73	1454664	152.97	ug/l	100
20) Methylene Chloride	3.08	84	340664	85.73	ug/l	96
21) trans-1,2-Dichloroethene	3.40	96	460047	119.54	ug/l	85
22) Diisopropyl ether	4.08	45	2546756	87.76	ug/l	97
23) Vinyl Acetate	4.03	43	7005335	454.87	ug/l	99
24) 1,1-Dichloroethane	3.98	63	1461582	92.90	ug/l	98
25) 2-Butanone	4.85	43	1198955	440.55	ug/l	96
26) 2,2-Dichloropropane	4.81	77	1129519	86.27	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	801940	92.08	ug/l	97
28) Bromochloromethane	5.15	49	631410	89.79	ug/l	97
29) Tetrahydrofuran	5.19	42	625700	431.81	ug/l	99
30) Chloroform	5.33	83	1612062	96.46	ug/l	96
31) Cyclohexane	5.60	56	987496	74.20	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	1393217	100.80	ug/l	96
36) 1,1-Dichloropropene	5.75	75	1001687	83.78	ug/l	98
37) Ethyl Acetate	4.94	43	645425	95.72	ug/l	97
38) Carbon Tetrachloride	5.74	117	1156860	97.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	988624	85.30	ug/l	96
40) Benzene	6.02	78	2327035	81.35	ug/l	98
41) Methacrylonitrile	5.13	41	302632	90.63	ug/l	98
42) 1,2-Dichloroethane	6.14	62	1163192	100.16	ug/l	96
43) Isopropyl Acetate	7.63	43	853287	95.64	ug/l	96
44) Trichloroethene	7.00	130	795488	92.14	ug/l	92
45) 1,2-Dichloropropane	7.36	63	701559	91.96	ug/l	97
46) Dibromomethane	7.47	93	522385	99.38	ug/l	96
47) Bromodichloromethane	7.75	83	1218501	100.27	ug/l #	97
48) Methyl methacrylate	7.52	41	524268	96.50	ug/l	95
49) 1,4-Dioxane	7.51	88	101957	2075.36	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	2660385	454.52	ug/l	99
52) Toluene	8.82	92	1424370	87.20	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	1017088	97.87	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	1121680	92.78	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	546887	94.54	ug/l	98
56) Ethyl methacrylate	9.32	69	631258	92.58	ug/l	92
57) 1,3-Dichloropropane	9.67	76	904773	92.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.20	63	1493090	441.51	ug/l	100
59) 2-Hexanone	9.79	43	1872283	440.07	ug/l	97
60) Dibromochloromethane	9.97	129	851839	108.27	ug/l	96
61) 1,2-Dibromoethane	10.11	107	632899	100.61	ug/l	99
64) Tetrachloroethene	9.53	164	805441	95.75	ug/l	96
65) Chlorobenzene	10.73	112	1632024	87.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	663404	91.59	ug/l	94
67) Ethyl Benzene	10.86	91	2596116	78.92	ug/l	99
68) m/p-Xylenes	11.02	106	1793255	164.13	ug/l	92
69) o-Xylene	11.42	106	874782	82.83	ug/l	97
70) Styrene	11.44	104	1495926	83.18	ug/l	96
71) Bromoform	11.60	173	644299	112.78	ug/l #	97
73) Isopropylbenzene	11.78	105	2594252	92.08	ug/l	100
74) N-amyl acetate	11.65	43	1078335	101.43	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	636498	98.45	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	647851	95.51	ug/l	99
77) Bromobenzene	12.05	156	844693	99.70	ug/l	92
78) n-propylbenzene	12.16	91	3178103	87.92	ug/l	99
79) 2-Chlorotoluene	12.22	91	1930063	93.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1984049	90.75	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	165007	101.79	ug/l	97
82) 4-Chlorotoluene	12.33	91	1995469	85.69	ug/l	93
83) tert-Butylbenzene	12.58	119	2286160	91.34	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	2147696	90.14	ug/l	94
85) sec-Butylbenzene	12.76	105	2576147	87.50	ug/l	99
86) p-Isopropyltoluene	12.89	119	2154471	90.07	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	1289196	88.31	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	1274860	89.45	ug/l	98
89) n-Butylbenzene	13.20	91	1966414	79.30	ug/l	99
90) Hexachloroethane	13.40	117	602398	97.80	ug/l	87
91) 1,2-Dichlorobenzene	13.20	146	1054720	85.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	112318	108.59	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1074053	91.67	ug/l	94
94) Hexachlorobutadiene	14.44	225	850327	91.90	ug/l	98
95) Naphthalene	14.52	128	1529639	99.29	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	958898	92.73	ug/l	97

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

