

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059781.D
 Acq On : 14 Aug 2018 22:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 15 16:00:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 11:54:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	239707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	304978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	267344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	149622	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	15316	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
35) Dibromofluoromethane	5.54	113	13905	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	8.71	98	36141	5.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.72%	
62) 4-Bromofluorobenzene	11.93	95	15626	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.33	85	16460	5.63	ug/l	100
3) Chloromethane	1.48	50	7731	4.72	ug/l	97
4) Vinyl Chloride	1.55	62	8007	4.65	ug/l	90
5) Bromomethane	1.79	94	2979	5.35	ug/l	86
6) Chloroethane	1.87	64	3889	5.56	ug/l	95
7) Trichlorofluoromethane	2.08	101	14466	5.36	ug/l #	79
8) Diethyl Ether	2.34	74	2384	4.66	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	2.55	101	7577	5.07	ug/l #	89
10) Methyl Iodide	2.68	142	6428	6.46	ug/l #	85
11) Tert butyl alcohol	3.26	59	2622	22.66	ug/l #	74
12) 1,1-Dichloroethene	2.54	96	5386	4.93	ug/l	94
13) Acrolein	2.46	56	1439	31.78	ug/l	84
14) Allyl chloride	2.92	41	14056	5.21	ug/l	95
15) Acrylonitrile	3.35	53	9364	24.48	ug/l	91
16) Acetone	2.61	43	11968	24.67	ug/l	96
17) Carbon Disulfide	2.75	76	17746	4.87	ug/l #	95
18) Methyl Acetate	2.93	43	6770	6.49	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	27781	5.30	ug/l	97
20) Methylene Chloride	3.07	84	11275	5.93	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	11163	5.25	ug/l	88
22) Diisopropyl ether	4.06	45	37884	5.20	ug/l	93
23) Vinyl Acetate	4.01	43	98250	23.72	ug/l	98
24) 1,1-Dichloroethane	3.97	63	22818	5.26	ug/l #	96
25) 2-Butanone	4.84	43	18400	25.02	ug/l	98
26) 2,2-Dichloropropane	4.80	77	20383	5.13	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	11769	5.02	ug/l	86
28) Bromochloromethane	5.14	49	8002	4.72	ug/l	97
29) Tetrahydrofuran	5.18	42	7295	22.63	ug/l	93
30) Chloroform	5.32	83	27996	5.37	ug/l	89
31) Cyclohexane	5.58	56	21150	6.72	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	23546	5.13	ug/l	94
36) 1,1-Dichloropropene	5.74	75	18512	6.03	ug/l	97
37) Ethyl Acetate	4.92	43	8199	5.34	ug/l #	72
38) Carbon Tetrachloride	5.72	117	21383	5.75	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	14976	5.56	ug/l	98
40) Benzene	6.02	78	37255	5.58	ug/l	99
41) Methacrylonitrile	5.12	41	3675	5.02	ug/l #	92
42) 1,2-Dichloroethane	6.12	62	19584	5.46	ug/l	98
43) Isopropyl Acetate	7.61	43	9593	4.88	ug/l	95
44) Trichloroethene	6.98	130	12693	5.66	ug/l	83
45) 1,2-Dichloropropane	7.34	63	8788	5.11	ug/l	93
46) Dibromomethane	7.46	93	7653	5.47	ug/l	91
47) Bromodichloromethane	7.74	83	18180	5.32	ug/l #	95
48) Methyl methacrylate	7.50	41	5798	4.50	ug/l #	88
49) 1,4-Dioxane	7.50	88	1039	126.59	ug/l #	21
51) 4-Methyl-2-Pentanone	8.59	43	35086	23.51	ug/l	99
52) Toluene	8.80	92	23797	5.60	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	14585	5.15	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	15411	4.96	ug/l	94
55) 1,1,2-Trichloroethane	9.45	97	8985	5.72	ug/l	94
56) Ethyl methacrylate	9.31	69	7692	4.52	ug/l	97
57) 1,3-Dichloropropane	9.67	76	13794	5.61	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	22735	27.39	ug/l	92
59) 2-Hexanone	9.78	43	24360	22.58	ug/l	96
60) Dibromochloromethane	9.96	129	10843	4.77	ug/l	98
61) 1,2-Dibromoethane	10.09	107	9127	5.26	ug/l	99
64) Tetrachloroethene	9.51	164	12713	5.53	ug/l	92
65) Chlorobenzene	10.73	112	29744	5.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	11041	5.02	ug/l	87
67) Ethyl Benzene	10.86	91	50547	5.34	ug/l	97
68) m/p-Xylenes	11.01	106	36146	11.53	ug/l	93
69) o-Xylene	11.41	106	16608	5.48	ug/l	85
70) Styrene	11.44	104	29296	5.54	ug/l	97
71) Bromoform	11.60	173	6661	4.21	ug/l #	90
73) Isopropylbenzene	11.77	105	54151	5.81	ug/l	98
74) N-amyl acetate	11.64	43	12740	4.38	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.08	83	9712	5.06	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	11345	5.32	ug/l	98
77) Bromobenzene	12.05	156	14876	5.51	ug/l	98
78) n-propylbenzene	12.15	91	66088	5.60	ug/l	97
79) 2-Chlorotoluene	12.21	91	38233	5.35	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	42457	5.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	2015	3.98	ug/l	97
82) 4-Chlorotoluene	12.33	91	45111	5.58	ug/l	97
83) tert-Butylbenzene	12.58	119	44651	5.32	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	43930	5.43	ug/l	100
85) sec-Butylbenzene	12.75	105	52788	5.46	ug/l	100
86) p-Isopropyltoluene	12.88	119	43045	5.33	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	27048	5.61	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	26946	5.62	ug/l	94
89) n-Butylbenzene	13.20	91	47163	5.71	ug/l	99
90) Hexachloroethane	13.40	117	9816	4.85	ug/l	94
91) 1,2-Dichlorobenzene	13.20	146	22638	5.64	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	1464	4.21	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	16578	4.93	ug/l	91
94) Hexachlorobutadiene	14.44	225	14015	5.82	ug/l	90
95) Naphthalene	14.52	128	26501	5.25	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	16075	5.57	ug/l	93

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

