

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059809.D
 Acq On : 16 Aug 2018 14:28
 Operator : VA/AP
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 01:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	256164	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	333801	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	274365	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	150547	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	177015	53.78	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.56%	
35) Dibromofluoromethane	5.51	113	157891	54.28	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	8.68	98	358901	52.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.92	95	158856	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	53248	17.06	ug/l	96
3) Chloromethane	1.46	50	30998	18.09	ug/l	95
4) Vinyl Chloride	1.53	62	32910	18.13	ug/l	93
5) Bromomethane	1.77	94	8011	13.86	ug/l	92
6) Chloroethane	1.85	64	10881	14.37	ug/l	93
7) Trichlorofluoromethane	2.05	101	46391	16.27	ug/l	94
8) Diethyl Ether	2.32	74	10141	18.49	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	29682	18.57	ug/l	96
10) Methyl Iodide	2.66	142	24795	15.07	ug/l	95
11) Tert butyl alcohol	3.24	59	10772	92.50	ug/l #	74
12) 1,1-Dichloroethene	2.52	96	20239	17.51	ug/l	95
13) Acrolein	2.45	56	6471	74.98	ug/l	92
14) Allyl chloride	2.89	41	53945	18.57	ug/l	94
15) Acrylonitrile	3.33	53	30631	75.08	ug/l	90
16) Acetone	2.59	43	51664	99.47	ug/l	92
17) Carbon Disulfide	2.72	76	64877	16.75	ug/l	96
18) Methyl Acetate	2.91	43	19737	17.78	ug/l #	92
19) Methyl tert-butyl Ether	3.37	73	99193	17.58	ug/l	97
20) Methylene Chloride	3.04	84	32598	21.39	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	29374	12.90	ug/l	85
22) Diisopropyl ether	4.04	45	138565	17.69	ug/l	96
23) Vinyl Acetate	3.98	43	436838	98.45	ug/l	99
24) 1,1-Dichloroethane	3.94	63	85454	18.38	ug/l	99
25) 2-Butanone	4.81	43	66986	84.26	ug/l	96
26) 2,2-Dichloropropane	4.77	77	85661	20.15	ug/l	97
27) cis-1,2-Dichloroethene	4.77	96	48114	19.28	ug/l	96
28) Bromochloromethane	5.11	49	35170	19.28	ug/l	88
29) Tetrahydrofuran	5.15	42	30612	90.25	ug/l	98
30) Chloroform	5.29	83	103015	18.46	ug/l	97
31) Cyclohexane	5.56	56	57438	17.18	ug/l	91
32) 1,1,1-Trichloroethane	5.47	97	90711	18.49	ug/l	97
36) 1,1-Dichloropropene	5.71	75	64382	18.80	ug/l	98
37) Ethyl Acetate	4.89	43	34816	20.33	ug/l	97
38) Carbon Tetrachloride	5.69	117	78158	18.92	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	53123	17.93	ug/l	93
40) Benzene	5.99	78	136598	18.80	ug/l	97
41) Methacrylonitrile	5.09	41	16094	19.64	ug/l	97
42) 1,2-Dichloroethane	6.10	62	76261	19.40	ug/l	100
43) Isopropyl Acetate	7.59	43	41481	19.18	ug/l	99
44) Trichloroethene	6.95	130	47513	19.10	ug/l	97
45) 1,2-Dichloropropane	7.32	63	34818	18.44	ug/l	95
46) Dibromomethane	7.44	93	29186	18.90	ug/l	98
47) Bromodichloromethane	7.72	83	74867	19.79	ug/l	99
48) Methyl methacrylate	7.48	41	27656	19.59	ug/l	96
49) 1,4-Dioxane	7.47	88	4802	386.32	ug/l	95
51) 4-Methyl-2-Pentanone	8.57	43	140858	86.15	ug/l	96
52) Toluene	8.78	92	88647	19.05	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	64623	20.60	ug/l	96
54) cis-1,3-Dichloropropene	8.34	75	67242	19.83	ug/l	96
55) 1,1,2-Trichloroethane	9.43	97	31890	18.56	ug/l	92
56) Ethyl methacrylate	9.29	69	36448	19.59	ug/l	90
57) 1,3-Dichloropropane	9.65	76	50954	18.93	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	97706	106.25	ug/l	96
59) 2-Hexanone	9.76	43	109277	93.21	ug/l	99
60) Dibromochloromethane	9.94	129	50244	20.14	ug/l	98
61) 1,2-Dibromoethane	10.08	107	38058	20.00	ug/l	100
64) Tetrachloroethene	9.50	164	46031	19.48	ug/l	90
65) Chlorobenzene	10.71	112	122761	22.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	45498	20.32	ug/l	92
67) Ethyl Benzene	10.85	91	190156	19.88	ug/l	95
68) m/p-Xylenes	11.00	106	126345	38.97	ug/l	91
69) o-Xylene	11.40	106	59319	19.06	ug/l	84
70) Styrene	11.42	104	106439	19.28	ug/l	99
71) Bromoform	11.58	173	31999	19.66	ug/l	96
73) Isopropylbenzene	11.76	105	178246	18.70	ug/l	100
74) N-amyl acetate	11.63	43	56273	19.25	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	36073	18.63	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	41913	19.62	ug/l	95
77) Bromobenzene	12.03	156	56644	20.79	ug/l	84
78) n-propylbenzene	12.14	91	224903	18.91	ug/l	98
79) 2-Chlorotoluene	12.20	91	137400	19.16	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	150752	19.75	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	10302	20.61	ug/l	94
82) 4-Chlorotoluene	12.31	91	165756	20.37	ug/l	93
83) tert-Butylbenzene	12.57	119	167902	19.91	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	161450	19.63	ug/l	97
85) sec-Butylbenzene	12.74	105	193848	19.83	ug/l	99
86) p-Isopropyltoluene	12.87	119	164384	20.10	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	98824	20.23	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	95831	19.79	ug/l	98
89) n-Butylbenzene	13.19	91	161891	19.58	ug/l	97
90) Hexachloroethane	13.39	117	41166	20.06	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	79937	19.90	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7475	21.64	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	70391	20.95	ug/l	98
94) Hexachlorobutadiene	14.43	225	52085	21.01	ug/l	98
95) Naphthalene	14.51	128	101693	19.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	64120	21.63	ug/l	97

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

