

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059807.D
 Acq On : 16 Aug 2018 12:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 01:08:11 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	5.62	168	284467	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	359840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	298263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	165647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	190991	52.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.53	113	164921	52.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	8.69	98	397755	53.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	11.92	95	171434	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	161143	46.49	ug/l	96
3) Chloromethane	1.47	50	89835	47.21	ug/l	99
4) Vinyl Chloride	1.54	62	100918	50.06	ug/l	97
5) Bromomethane	1.78	94	32940	51.33	ug/l	99
6) Chloroethane	1.87	64	39747	47.28	ug/l	89
7) Trichlorofluoromethane	2.07	101	144126	45.53	ug/l	97
8) Diethyl Ether	2.33	74	32747	53.77	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.54	101	84236	47.45	ug/l	96
10) Methyl Iodide	2.67	142	93190	43.46	ug/l	98
11) Tert butyl alcohol	3.25	59	28823	222.89	ug/l	97
12) 1,1-Dichloroethene	2.53	96	62721	48.87	ug/l	98
13) Acrolein	2.46	56	36520	303.10	ug/l	89
14) Allyl chloride	2.90	41	156813	48.62	ug/l	97
15) Acrylonitrile	3.34	53	102069	225.30	ug/l	97
16) Acetone	2.59	43	184447	319.77	ug/l	94
17) Carbon Disulfide	2.74	76	221983	51.61	ug/l	97
18) Methyl Acetate	2.92	43	61640	50.00	ug/l	96
19) Methyl tert-butyl Ether	3.38	73	304729	48.64	ug/l	99
20) Methylene Chloride	3.05	84	76334	48.76	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	114403	45.23	ug/l	97
22) Diisopropyl ether	4.05	45	399259	45.89	ug/l	96
23) Vinyl Acetate	4.00	43	1190480	241.60	ug/l	100
24) 1,1-Dichloroethane	3.95	63	228825	44.33	ug/l	99
25) 2-Butanone	4.82	43	241610	273.68	ug/l	99
26) 2,2-Dichloropropane	4.78	77	249424	52.84	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	130076	46.94	ug/l	95
28) Bromochloromethane	5.12	49	97295	48.04	ug/l	98
29) Tetrahydrofuran	5.16	42	91702	243.46	ug/l	99
30) Chloroform	5.30	83	282388	45.56	ug/l	98
31) Cyclohexane	5.58	56	162431	43.76	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	267557	49.10	ug/l	100
36) 1,1-Dichloropropene	5.72	75	184454	49.96	ug/l	98
37) Ethyl Acetate	4.91	43	99398	53.83	ug/l	98
38) Carbon Tetrachloride	5.70	117	227612	51.10	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	159167	49.84	ug/l	98
40) Benzene	6.00	78	375553	47.96	ug/l	99
41) Methacrylonitrile	5.10	41	48290	54.66	ug/l	94
42) 1,2-Dichloroethane	6.11	62	225869	53.30	ug/l	97
43) Isopropyl Acetate	7.60	43	123585	53.00	ug/l	92
44) Trichloroethene	6.96	130	133867	49.92	ug/l	91
45) 1,2-Dichloropropane	7.33	63	104520	51.35	ug/l	98
46) Dibromomethane	7.44	93	84477	50.74	ug/l	95
47) Bromodichloromethane	7.73	83	208297	51.07	ug/l	97
48) Methyl methacrylate	7.48	41	82391	54.15	ug/l	95
49) 1,4-Dioxane	7.47	88	15614	1165.25	ug/l	88
51) 4-Methyl-2-Pentanone	8.59	43	490821	278.47	ug/l	99
52) Toluene	8.78	92	240122	47.86	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	179174	52.98	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	191473	52.39	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	88569	47.82	ug/l	98
56) Ethyl methacrylate	9.30	69	104651	52.18	ug/l	96
57) 1,3-Dichloropropane	9.65	76	144775	49.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	252594	254.81	ug/l	100
59) 2-Hexanone	9.78	43	391469	309.73	ug/l	97
60) Dibromochloromethane	9.94	129	143801	53.48	ug/l	98
61) 1,2-Dibromoethane	10.08	107	107304	52.30	ug/l	99
64) Tetrachloroethene	9.50	164	123053	47.90	ug/l	98
65) Chlorobenzene	10.71	112	289307	47.90	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	129102	53.03	ug/l	97
67) Ethyl Benzene	10.85	91	523098	50.30	ug/l	97
68) m/p-Xylenes	11.01	106	346008	98.16	ug/l	95
69) o-Xylene	11.40	106	165176	48.82	ug/l	90
70) Styrene	11.42	104	291251	48.54	ug/l	95
71) Bromoform	11.59	173	97718	55.22	ug/l	94
73) Isopropylbenzene	11.76	105	498662	47.54	ug/l	100
74) N-amyl acetate	11.63	43	169566	52.73	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	106898	50.19	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	121009	51.49	ug/l	95
77) Bromobenzene	12.03	156	142976	47.70	ug/l	83
78) n-propylbenzene	12.15	91	626668	47.90	ug/l	100
79) 2-Chlorotoluene	12.21	91	382957	48.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	412329	49.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	32424	58.97	ug/l	91
82) 4-Chlorotoluene	12.31	91	428078	47.80	ug/l	92
83) tert-Butylbenzene	12.57	119	459990	49.57	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	439709	48.59	ug/l	100
85) sec-Butylbenzene	12.75	105	524925	48.81	ug/l	99
86) p-Isopropyltoluene	12.87	119	447526	49.73	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	259901	48.36	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	259027	48.61	ug/l	99
89) n-Butylbenzene	13.19	91	429089	47.16	ug/l	99
90) Hexachloroethane	13.40	117	117414	51.99	ug/l	82
91) 1,2-Dichlorobenzene	13.19	146	214674	48.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21388	56.28	ug/l	69

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93) 1,2,4-Trichlorobenzene	14.33	180	186743	50.52	ug/l	98
94) Hexachlorobutadiene	14.43	225	136544	50.05	ug/l	97
95) Naphthalene	14.51	128	282811	49.98	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	171174	52.48	ug/l	99

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

