

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060815.D
 Acq On : 1 Feb 2019 13:17
 Operator : VA/AP
 Sample : VD0201SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:53 PM

Quant Time: Feb 02 01:07:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.75	168	501917	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.94	114	675438	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	528470	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	286471	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.18	65	390659	50.77	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	6.64	113	325129	50.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.15	98	742423	49.08	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	13.34	95	371762	48.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	108987	17.859	ug/l 92
3) Chloromethane	1.73	50	68105	18.640	ug/l # 85
4) Vinyl Chloride	1.83	62	75859	19.560	ug/l 95
5) Bromomethane	2.11	94	24114	19.683	ug/l 99
6) Chloroethane	2.21	64	27823	17.926	ug/l 93
7) Trichlorofluoromethane	2.46	101	151459	19.839	ug/l 90
8) Diethyl Ether	2.78	74	22162	19.701	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.03	101	80193	20.727	ug/l 93
10) Methyl Iodide	3.18	142	80078	19.769	ug/l 98
11) Tert butyl alcohol	3.90	59	31297	85.109	ug/l # 89
12) 1,1-Dichloroethene	3.01	96	56958	21.543	ug/l 95
13) Acrolein	2.93	56	17426	124.257	ug/l 94
14) Allyl chloride	3.47	41	122037	19.835	ug/l # 91
15) Acrylonitrile	4.01	53	74656	90.609	ug/l 98
16) Acetone	3.10	43	109656	98.666	ug/l 96
17) Carbon Disulfide	3.25	76	181703	19.402	ug/l 96
18) Methyl Acetate	3.48	43	38158	17.319	ug/l 100
19) Methyl tert-butyl Ether	4.05	73	233359	19.333	ug/l 99
20) Methylene Chloride	3.65	84	91450	15.492	ug/l 94
21) trans-1,2-Dichloroethene	4.02	96	91077	19.541	ug/l 93
22) Diisopropyl ether	4.84	45	276380	17.432	ug/l 98
23) Vinyl Acetate	4.78	43	831895	91.113	ug/l 100
24) 1,1-Dichloroethane	4.73	63	192275	18.525	ug/l 99
25) 2-Butanone	5.80	43	119898	84.285	ug/l 98
26) 2,2-Dichloropropane	5.75	77	204671	18.715	ug/l 98
27) cis-1,2-Dichloroethene	5.76	96	94409	17.785	ug/l 93
28) Bromochloromethane	6.15	49	75695	18.695	ug/l 94
29) Tetrahydrofuran	6.19	42	57374	83.988	ug/l 99
30) Chloroform	6.39	83	219779	17.915	ug/l 96
31) Cyclohexane	6.67	56	120628	17.081	ug/l 96
32) 1,1,1-Trichloroethane	6.60	97	228051	19.304	ug/l 97
36) 1,1-Dichloropropene	6.87	75	152699	18.934	ug/l 98
37) Ethyl Acetate	5.91	43	64121	17.811	ug/l 95
38) Carbon Tetrachloride	6.83	117	209915	20.757	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.60	83	122986	18.210	ug/l	96
40) Benzene	7.19	78	284109	17.850	ug/l	96
41) Methacrylonitrile	6.18	41	44059m	19.271	ug/l	
42) 1,2-Dichloroethane	7.30	62	176768	19.117	ug/l	99
43) Isopropyl Acetate	8.98	43	86921	18.512	ug/l #	98
44) Trichloroethene	8.27	130	92811	17.201	ug/l	98
45) 1,2-Dichloropropane	8.67	63	75936	17.624	ug/l	96
46) Dibromomethane	8.80	93	62242	18.609	ug/l	95
47) Bromodichloromethane	9.12	83	174838	19.366	ug/l	99
48) Methyl methacrylate	8.86	41	64542	19.934	ug/l	97
49) 1,4-Dioxane	8.82	88	9564	362.361	ug/l	90
51) 4-Methyl-2-Pentanone	10.05	43	278923	91.732	ug/l	96
52) Toluene	10.26	92	185900	18.413	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	155233	19.547	ug/l	91
54) cis-1,3-Dichloropropene	9.79	75	159860	19.630	ug/l	96
55) 1,1,2-Trichloroethane	10.95	97	61540	17.878	ug/l	96
56) Ethyl methacrylate	10.80	69	74985	17.982	ug/l	95
57) 1,3-Dichloropropane	11.16	76	101450	17.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.60	63	216730	99.056	ug/l	99
59) 2-Hexanone	11.29	43	202938	88.764	ug/l	92
60) Dibromochloromethane	11.45	129	116154	18.769	ug/l	98
61) 1,2-Dibromoethane	11.57	107	78538	19.373	ug/l	98
64) Tetrachloroethene	11.01	164	89892	18.534	ug/l	92
65) Chlorobenzene	12.17	112	231693	19.185	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	96162	18.534	ug/l	98
67) Ethyl Benzene	12.30	91	417578	19.229	ug/l	93
68) m/p-Xylenes	12.44	106	272247	38.533	ug/l	97
69) o-Xylene	12.83	106	134794	19.276	ug/l	82
70) Styrene	12.85	104	226094	19.281	ug/l	94
71) Bromoform	13.01	173	76188	19.489	ug/l	96
73) Isopropylbenzene	13.18	105	434845	19.038	ug/l	98
74) N-amyl acetate	13.04	43	125029	17.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.49	83	71522	17.198	ug/l	97
76) 1,2,3-Trichloropropane	13.52	75	93663	17.830	ug/l	95
77) Bromobenzene	13.46	156	110861	18.882	ug/l	85
78) n-propylbenzene	13.56	91	569380	19.858	ug/l	96
79) 2-Chlorotoluene	13.62	91	332516	19.013	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	382011	19.428	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.26	75	21835	15.943	ug/l	96
82) 4-Chlorotoluene	13.73	91	396887	20.419	ug/l	97
83) tert-Butylbenzene	13.98	119	391568	19.034	ug/l	88
84) 1,2,4-Trimethylbenzene	14.03	105	382011	19.428	ug/l	93
85) sec-Butylbenzene	14.16	105	451055	19.261	ug/l	99
86) p-Isopropyltoluene	14.28	119	414094	21.780	ug/l	99
87) 1,3-Dichlorobenzene	14.24	146	194582	18.529	ug/l	95
88) 1,4-Dichlorobenzene	14.32	146	184363	18.068	ug/l	96
89) n-Butylbenzene	14.59	91	391526	19.737	ug/l	98
90) Hexachloroethane	14.80	117	106929	18.900	ug/l	82
91) 1,2-Dichlorobenzene	14.60	146	155741	17.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.17	75	17882	18.099	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	159549	21.139	ug/l	97
94) Hexachlorobutadiene	15.83	225	118372	20.903	ug/l	94
95) Naphthalene	15.92	128	210618	18.162	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	124905	19.031	ug/l	97

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

