

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063310.D
 Acq On : 2 Aug 2019 12:17
 Operator : VA/AP
 Sample : VD0802SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

Quant Time: Aug 04 03:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1113238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1481681	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1236394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	676295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	608078	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	6.91	113	709743	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
50) Toluene-d8	10.40	98	1476537	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	13.55	95	660459	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	280003	20.577	ug/l	99
3) Chloromethane	1.74	50	220400	20.846	ug/l	97
4) Vinyl Chloride	1.84	62	218499	19.964	ug/l	95
5) Bromomethane	2.14	94	92859	16.822	ug/l	99
6) Chloroethane	2.25	64	95117	18.823	ug/l	100
7) Trichlorofluoromethane	2.52	101	425936	20.060	ug/l	95
8) Diethyl Ether	2.86	74	48371	16.278	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	234687	19.953	ug/l	98
10) Methyl Iodide	3.29	142	318421	18.740	ug/l	95
11) Tert butyl alcohol	4.08	59	51489	94.983	ug/l	100
12) 1,1-Dichloroethene	3.11	96	176411	20.431	ug/l	88
13) Acrolein	3.02	56	38876	74.517	ug/l	92
14) Allyl chloride	3.60	41	279809	20.342	ug/l	98
15) Acrylonitrile	4.18	53	138530	98.570	ug/l	92
16) Acetone	3.22	43	231483	96.181	ug/l	96
17) Carbon Disulfide	3.36	76	576908	19.961	ug/l	98
18) Methyl Acetate	3.63	43	105748	22.875	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	386326	19.807	ug/l	96
20) Methylene Chloride	3.80	84	187778	19.302	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	189089	19.517	ug/l	95
22) Diisopropyl ether	5.11	45	542617	19.745	ug/l	98
23) Vinyl Acetate	5.04	43	1690492	100.070	ug/l	99
24) 1,1-Dichloroethane	4.96	63	342752	19.526	ug/l	95
25) 2-Butanone	6.05	43	234353	97.026	ug/l	94
26) 2,2-Dichloropropane	6.00	77	356226	19.692	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	202697	19.514	ug/l	99
28) Bromochloromethane	6.42	49	123894	17.714	ug/l	99
29) Tetrahydrofuran	6.45	42	109108	95.411	ug/l	99
30) Chloroform	6.64	83	426242	19.566	ug/l	94
31) Cyclohexane	6.94	56	226311	20.568	ug/l	89
32) 1,1,1-Trichloroethane	6.85	97	414484	19.670	ug/l	95
36) 1,1-Dichloropropene	7.13	75	276347	20.437	ug/l	97
37) Ethyl Acetate	6.16	43	135239	22.262	ug/l #	91
38) Carbon Tetrachloride	7.10	117	402460	19.770	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	238630	21.181	ug/l	95
40) Benzene	7.44	78	591237	20.862	ug/l	99
41) Methacrylonitrile	6.44	41	140615	19.350	ug/l #	86
42) 1,2-Dichloroethane	7.56	62	311779	20.758	ug/l	98
43) Isopropyl Acetate	9.23	43	162756	20.973	ug/l #	99
44) Trichloroethene	8.52	130	238963	20.809	ug/l	91
45) 1,2-Dichloropropane	8.92	63	147601	20.491	ug/l	96
46) Dibromomethane	9.05	93	121671	20.314	ug/l	96
47) Bromodichloromethane	9.36	83	320756	21.009	ug/l	98
48) Methyl methacrylate	9.11	41	113450	22.542	ug/l	89
49) 1,4-Dioxane	9.07	88	17493	407.862	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	555640	105.284	ug/l	100
52) Toluene	10.49	92	412407	21.879	ug/l	87
53) t-1,3-Dichloropropene	10.90	75	267029	20.287	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	291758	21.090	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	140000	21.992	ug/l	96
56) Ethyl methacrylate	11.04	69	133730	19.184	ug/l	98
57) 1,3-Dichloropropane	11.40	76	194851	19.427	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.84	63	394422	108.739	ug/l	96
59) 2-Hexanone	11.52	43	388735	102.212	ug/l	98
60) Dibromochloromethane	11.68	129	250442	20.839	ug/l	92
61) 1,2-Dibromoethane	11.79	107	164140	20.896	ug/l	98
64) Tetrachloroethene	11.24	164	213784	21.704	ug/l	95
65) Chlorobenzene	12.38	112	483402	20.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	219254	20.930	ug/l	96
67) Ethyl Benzene	12.51	91	808367	20.009	ug/l	96
68) m/p-Xylenes	12.66	106	651645	43.984	ug/l	94
69) o-Xylene	13.04	106	291765	21.445	ug/l	88
70) Styrene	13.06	104	494395	20.490	ug/l	99
71) Bromoform	13.22	173	154602	20.294	ug/l	99
73) Isopropylbenzene	13.40	105	842331	19.845	ug/l	98
74) N-amyl acetate	13.26	43	224471	20.004	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	146528	20.323	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	163999	20.189	ug/l	100
77) Bromobenzene	13.66	156	240744	19.910	ug/l	84
78) n-propylbenzene	13.76	91	1028719	20.366	ug/l	100
79) 2-Chlorotoluene	13.83	91	570028	19.476	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	760456	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	42950	19.041	ug/l	100
82) 4-Chlorotoluene	13.94	91	705859	20.492	ug/l	93
83) tert-Butylbenzene	14.19	119	870106	20.815	ug/l	90
84) 1,2,4-Trimethylbenzene	14.22	105	728499	19.238	ug/l	96
85) sec-Butylbenzene	14.36	105	924560	20.993	ug/l	100
86) p-Isopropyltoluene	14.48	119	791171	18.822	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	407145	19.014	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	417307	19.272	ug/l	98
89) n-Butylbenzene	14.79	91	761297	20.969	ug/l	95
90) Hexachloroethane	15.00	117	217806	19.888	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	387617	20.776	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27997	19.063	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	300743	20.319	ug/l	94
94) Hexachlorobutadiene	16.03	225	210000	19.579	ug/l	99
95) Naphthalene	16.11	128	418918	20.025	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	217863	18.633	ug/l	94

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

