

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063598.D
 Acq On : 15 Aug 2019 4:00
 Operator : JC/SY
 Sample : VD0814SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD02

Quant Time: Aug 15 12:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	944456	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1405126	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1207259	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	638387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	581176	57.57	ug/l	-0.02
Spiked Amount			Recovery	=	115.14%	
35) Dibromofluoromethane	6.92	113	613458	51.84	ug/l	-0.02
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.41	98	1222102	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	13.55	95	571884	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	218009	19.080	ug/l	99
3) Chloromethane	1.75	50	186838	20.929	ug/l	99
4) Vinyl Chloride	1.85	62	175988	19.858	ug/l	99
5) Bromomethane	2.14	94	76283	18.242	ug/l #	92
6) Chloroethane	2.25	64	85051	20.986	ug/l	99
7) Trichlorofluoromethane	2.53	101	336633	19.365	ug/l	99
8) Diethyl Ether	2.87	74	58797	23.956	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	201477	19.628	ug/l	92
10) Methyl Iodide	3.30	142	295794	20.367	ug/l	99
11) Tert butyl alcohol	4.08	59	58013	132.004	ug/l	100
12) 1,1-Dichloroethene	3.12	96	144830	18.978	ug/l	99
13) Acrolein	3.03	56	33591	77.652	ug/l #	67
14) Allyl chloride	3.61	41	243520	21.226	ug/l	95
15) Acrylonitrile	4.19	53	152346	130.873	ug/l	94
16) Acetone	3.23	43	215363	104.942	ug/l #	92
17) Carbon Disulfide	3.36	76	486354	20.193	ug/l	99
18) Methyl Acetate	3.64	43	107432	27.638	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	380476	24.929	ug/l	98
20) Methylene Chloride	3.82	84	207134	23.342	ug/l #	87
21) trans-1,2-Dichloroethene	4.21	96	179917	22.403	ug/l	93
22) Diisopropyl ether	5.13	45	544490	23.000	ug/l	94
23) Vinyl Acetate	5.06	43	1555999	113.058	ug/l	100
24) 1,1-Dichloroethane	4.98	63	333140	22.689	ug/l #	96
25) 2-Butanone	6.07	43	229810	113.383	ug/l	98
26) 2,2-Dichloropropane	6.02	77	290835	19.886	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	197623	22.492	ug/l	99
28) Bromochloromethane	6.44	49	131114	22.033	ug/l	89
29) Tetrahydrofuran	6.47	42	116718	123.582	ug/l	96
30) Chloroform	6.66	83	404073	22.140	ug/l	94
31) Cyclohexane	6.95	56	181451	19.906	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	364693	20.889	ug/l	95
36) 1,1-Dichloropropene	7.14	75	238717	19.218	ug/l	99
37) Ethyl Acetate	6.18	43	120455	23.142	ug/l #	94
38) Carbon Tetrachloride	7.11	117	360580	19.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	200122	18.946	ug/l	96
40) Benzene	7.45	78	590034	21.585	ug/l	99
41) Methacrylonitrile	6.46	41	153746	23.459	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	312467	22.733	ug/l	98
43) Isopropyl Acetate	9.24	43	149560	21.454	ug/l #	99
44) Trichloroethene	8.53	130	201975	19.331	ug/l	99
45) 1,2-Dichloropropane	8.94	63	141057	22.159	ug/l	95
46) Dibromomethane	9.05	93	123480	22.714	ug/l	94
47) Bromodichloromethane	9.37	83	317482	22.767	ug/l	96
48) Methyl methacrylate	9.12	41	116730	24.691	ug/l	95
49) 1,4-Dioxane	9.08	88	16840	413.755	ug/l #	73
51) 4-Methyl-2-Pentanone	10.29	43	572734	120.065	ug/l	95
52) Toluene	10.50	92	377058	21.416	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	245463	21.569	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	281792	21.960	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	131321	22.080	ug/l	91
56) Ethyl methacrylate	11.04	69	142736	22.111	ug/l	97
57) 1,3-Dichloropropane	11.41	76	203608	22.648	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	370713	108.777	ug/l	99
59) 2-Hexanone	11.54	43	398816	114.902	ug/l	99
60) Dibromochloromethane	11.68	129	241328	22.299	ug/l	100
61) 1,2-Dibromoethane	11.80	107	157624	21.892	ug/l	98
64) Tetrachloroethene	11.26	164	199251	21.379	ug/l	96
65) Chlorobenzene	12.39	112	457931	20.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	207059	20.793	ug/l	97
67) Ethyl Benzene	12.52	91	784370	19.937	ug/l	97
68) m/p-Xylenes	12.67	106	562481	40.694	ug/l	95
69) o-Xylene	13.05	106	265742	19.975	ug/l	98
70) Styrene	13.07	104	480185	20.292	ug/l	99
71) Bromoform	13.23	173	146273	21.422	ug/l #	97
73) Isopropylbenzene	13.41	105	764639	18.831	ug/l	98
74) N-amyl acetate	13.26	43	218160	21.403	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	154705	22.954	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	155857	21.273	ug/l	95
77) Bromobenzene	13.67	156	238859	21.524	ug/l	83
78) n-propylbenzene	13.77	91	928236	19.538	ug/l	95
79) 2-Chlorotoluene	13.84	91	583367	21.296	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	673144	18.974	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	34296	17.416	ug/l #	94
82) 4-Chlorotoluene	13.95	91	658696	19.997	ug/l	99
83) tert-Butylbenzene	14.18	119	753681	20.174	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	710878	21.656	ug/l	94
85) sec-Butylbenzene	14.36	105	752155	18.958	ug/l	94
86) p-Isopropyltoluene	14.49	119	769150	20.275	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	427166	21.280	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	405385	21.049	ug/l	99
89) n-Butylbenzene	14.79	91	683988	19.755	ug/l	94
90) Hexachloroethane	15.01	117	198081	20.774	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	395881	23.245	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	29164	22.981	ug/l	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	245514	19.592	ug/l	96
94) Hexachlorobutadiene	16.03	225	185698	19.443	ug/l	98
95) Naphthalene	16.12	128	429994	22.641	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	215283	21.270	ug/l	97

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

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