

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061761.D
 Acq On : 12 Apr 2019 3:19
 Operator : VA/AP
 Sample : VD0411SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

Quant Time: Apr 12 03:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	516329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	888141	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	721016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	335134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	212251	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
35) Dibromofluoromethane	6.91	113	298209	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.40	98	694522	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
62) 4-Bromofluorobenzene	13.55	95	301818	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	99041	17.780	ug/l	99
3) Chloromethane	1.75	50	94514	20.997	ug/l	97
4) Vinyl Chloride	1.84	62	85163	20.247	ug/l	96
5) Bromomethane	2.15	94	21472	22.055	ug/l	92
6) Chloroethane	2.24	64	25807	19.589	ug/l	100
7) Trichlorofluoromethane	2.52	101	137106	21.588	ug/l	97
8) Diethyl Ether	2.85	74	37140	20.838	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	128079	20.513	ug/l	99
10) Methyl Iodide	3.30	142	181953	21.767	ug/l	100
11) Tert butyl alcohol	4.06	59	30438	116.045	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	109092	20.267	ug/l	98
13) Acrolein	3.02	56	19899	62.225	ug/l	90
14) Allyl chloride	3.60	41	154987	21.111	ug/l	98
15) Acrylonitrile	4.18	53	100157	110.927	ug/l	94
16) Acetone	3.21	43	110147	94.147	ug/l	98
17) Carbon Disulfide	3.37	76	324515	18.554	ug/l	98
18) Methyl Acetate	3.62	43	56199	25.531	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	224879	24.128	ug/l	99
20) Methylene Chloride	3.80	84	164290	24.746	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	126169	21.582	ug/l	100
22) Diisopropyl ether	5.10	45	321908	20.914	ug/l	98
23) Vinyl Acetate	5.04	43	928093	109.276	ug/l	99
24) 1,1-Dichloroethane	4.97	63	204742	21.707	ug/l	98
25) 2-Butanone	6.05	43	148552	110.140	ug/l	97
26) 2,2-Dichloropropane	6.00	77	154224	20.081	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	138714	22.241	ug/l	94
28) Bromochloromethane	6.42	49	74751	21.484	ug/l	97
29) Tetrahydrofuran	6.44	42	79099	121.487	ug/l	97
30) Chloroform	6.65	83	223682	22.637	ug/l	99
31) Cyclohexane	6.94	56	135208	18.349	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	194203	22.428	ug/l	97
36) 1,1-Dichloropropene	7.13	75	165507	21.293	ug/l	97
37) Ethyl Acetate	6.16	43	71448	22.567	ug/l #	96
38) Carbon Tetrachloride	7.10	117	196121	21.529	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	160571	20.121	ug/l	93
40) Benzene	7.44	78	398742	21.264	ug/l	97
41) Methacrylonitrile	6.42	41	89146	24.120	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	140534	23.830	ug/l	96
43) Isopropyl Acetate	9.22	43	109192	23.764	ug/l #	99
44) Trichloroethene	8.52	130	142600	19.836	ug/l	99
45) 1,2-Dichloropropane	8.93	63	101402	21.805	ug/l	98
46) Dibromomethane	9.05	93	79148	23.814	ug/l	97
47) Bromodichloromethane	9.36	83	171184	23.451	ug/l	99
48) Methyl methacrylate	9.11	41	61435	23.195	ug/l	95
49) 1,4-Dioxane	9.07	88	12871	440.261	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	324510	119.422	ug/l	98
52) Toluene	10.49	92	262561	22.423	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	151252	23.638	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	188035	23.839	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	94091	23.825	ug/l	96
56) Ethyl methacrylate	11.04	69	95990	23.040	ug/l	98
57) 1,3-Dichloropropane	11.40	76	131268	22.697	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	236328	120.220	ug/l	98
59) 2-Hexanone	11.52	43	245849	116.578	ug/l	97
60) Dibromochloromethane	11.68	129	146148	23.423	ug/l	100
61) 1,2-Dibromoethane	11.79	107	108844	23.567	ug/l	94
64) Tetrachloroethene	11.24	164	127634	22.805	ug/l	98
65) Chlorobenzene	12.39	112	327003	22.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	135357	24.601	ug/l	98
67) Ethyl Benzene	12.51	91	499317	22.932	ug/l	99
68) m/p-Xylenes	12.66	106	377710	44.996	ug/l	92
69) o-Xylene	13.04	106	178674	22.050	ug/l	98
70) Styrene	13.06	104	315932	22.830	ug/l	99
71) Bromoform	13.23	173	78928	23.120	ug/l #	95
73) Isopropylbenzene	13.40	105	486927	21.806	ug/l	99
74) N-amyl acetate	13.26	43	140665	23.184	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	102187	22.132	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	103743	22.753	ug/l	95
77) Bromobenzene	13.66	156	135953	20.975	ug/l	86
78) n-propylbenzene	13.76	91	604438	22.628	ug/l	100
79) 2-Chlorotoluene	13.83	91	359743	23.551	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	414406	23.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	29025	20.978	ug/l #	78
82) 4-Chlorotoluene	13.94	91	385764	23.047	ug/l	97
83) tert-Butylbenzene	14.19	119	456358	21.355	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	388898	21.741	ug/l	97
85) sec-Butylbenzene	14.36	105	527171	22.833	ug/l	96
86) p-Isopropyltoluene	14.48	119	438754	21.906	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	241130	21.616	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	236626	21.023	ug/l	97
89) n-Butylbenzene	14.80	91	388271	22.303	ug/l	97
90) Hexachloroethane	15.00	117	124362	22.883	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	212611	23.126	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14066	25.245	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104533	22.317	ug/l	95
94) Hexachlorobutadiene	16.04	225	76823	21.241	ug/l	97
95) Naphthalene	16.11	128	190072	25.646	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	64888	27.758	ug/l	99

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

