

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061954.D
 Acq On : 22 Apr 2019 23:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 23 09:17:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	548648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	905192	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	830914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	355336	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	29343	6.38	ug/l	0.00
Spiked Amount			Recovery	=	12.76%	
35) Dibromofluoromethane	6.93	113	39433	5.77	ug/l	0.01
Spiked Amount			Recovery	=	11.54%	
50) Toluene-d8	10.41	98	81438	5.03	ug/l	0.00
Spiked Amount			Recovery	=	10.06%	
62) 4-Bromofluorobenzene	13.56	95	36152	5.50	ug/l	0.00
Spiked Amount			Recovery	=	11.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	31059	5.800	ug/l	88
3) Chloromethane	1.76	50	22064	5.170	ug/l	94
4) Vinyl Chloride	1.85	62	19573	4.621	ug/l	99
5) Bromomethane	2.16	94	7222	4.249	ug/l #	90
6) Chloroethane	2.28	64	7591	5.254	ug/l	95
7) Trichlorofluoromethane	2.53	101	32553	4.739	ug/l	93
8) Diethyl Ether	2.88	74	8490	4.716	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	28743	4.693	ug/l	91
10) Methyl Iodide	3.32	142	29384	6.308	ug/l	97
11) Tert butyl alcohol	4.06	59	7628	28.130	ug/l #	76
12) 1,1-Dichloroethene	3.13	96	22397	4.350	ug/l	92
13) Acrolein	3.05	56	3854	14.681	ug/l #	80
14) Allyl chloride	3.64	41	38047	5.421	ug/l	95
15) Acrylonitrile	4.20	53	26340	30.941	ug/l	91
16) Acetone	3.22	43	24434	21.560	ug/l #	85
17) Carbon Disulfide	3.39	76	69352	4.168	ug/l #	92
18) Methyl Acetate	3.65	43	18604	8.190	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	58198	6.056	ug/l	96
20) Methylene Chloride	3.82	84	45243	3.792	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	30350	5.363	ug/l	85
22) Diisopropyl ether	5.12	45	90371	6.024	ug/l #	98
23) Vinyl Acetate	5.06	43	212239	26.464	ug/l	100
24) 1,1-Dichloroethane	4.99	63	48209	5.300	ug/l	97
25) 2-Butanone	6.07	43	35040	27.158	ug/l	94
26) 2,2-Dichloropropane	6.03	77	40354	5.133	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	34382	5.605	ug/l	95
28) Bromochloromethane	6.43	49	20287	5.872	ug/l #	66
29) Tetrahydrofuran	6.47	42	19382	30.840	ug/l	97
30) Chloroform	6.67	83	59602	5.875	ug/l	88
31) Cyclohexane	6.95	56	32273	4.635	ug/l	85
32) 1,1,1-Trichloroethane	6.87	97	52970	5.890	ug/l	96
36) 1,1-Dichloropropene	7.15	75	38601	5.219	ug/l	96
37) Ethyl Acetate	6.19	43	19933	6.296	ug/l #	89
38) Carbon Tetrachloride	7.11	117	50276	5.383	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	36612	4.766	ug/l	97
40) Benzene	7.47	78	99554	5.606	ug/l	99
41) Methacrylonitrile	6.46	41	22679	6.061	ug/l #	78
42) 1,2-Dichloroethane	7.58	62	36273	5.865	ug/l	98
43) Isopropyl Acetate	9.24	43	26883	6.034	ug/l	99
44) Trichloroethene	8.55	130	34119	4.991	ug/l	99
45) 1,2-Dichloropropane	8.94	63	24280	5.249	ug/l	98
46) Dibromomethane	9.06	93	18792	5.702	ug/l	92
47) Bromodichloromethane	9.38	83	42103	5.537	ug/l	98
48) Methyl methacrylate	9.13	41	14644	5.592	ug/l	94
49) 1,4-Dioxane	9.08	88	2421	84.582	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	87689	32.186	ug/l	97
52) Toluene	10.51	92	64521	5.670	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	38835	5.668	ug/l	92
54) cis-1,3-Dichloropropene	10.04	75	43094	5.358	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	23365	6.093	ug/l	87
56) Ethyl methacrylate	11.04	69	22690	5.391	ug/l	99
57) 1,3-Dichloropropane	11.40	76	31639	5.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	62187	31.065	ug/l	95
59) 2-Hexanone	11.53	43	59893	29.599	ug/l	99
60) Dibromochloromethane	11.69	129	32046	5.107	ug/l	89
61) 1,2-Dibromoethane	11.81	107	26856	5.696	ug/l	93
64) Tetrachloroethene	11.26	164	29395	4.717	ug/l	98
65) Chlorobenzene	12.40	112	81561	5.271	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	32917	5.076	ug/l	96
67) Ethyl Benzene	12.53	91	129414	5.222	ug/l	96
68) m/p-Xylenes	12.67	106	96503	10.367	ug/l	95
69) o-Xylene	13.05	106	47170	5.391	ug/l	93
70) Styrene	13.08	104	81084	5.385	ug/l	98
71) Bromoform	13.23	173	19637	5.102	ug/l	99
73) Isopropylbenzene	13.40	105	120487	5.228	ug/l	98
74) N-amyl acetate	13.26	43	31098	5.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	23579	5.176	ug/l	88
76) 1,2,3-Trichloropropane	13.74	75	23659	5.070	ug/l	99
77) Bromobenzene	13.67	156	33912	5.180	ug/l	88
78) n-propylbenzene	13.78	91	150735	5.661	ug/l	98
79) 2-Chlorotoluene	13.84	91	88824	5.711	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	95370	5.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	6229	7.167	ug/l #	72
82) 4-Chlorotoluene	13.94	91	94353	5.300	ug/l	87
83) tert-Butylbenzene	14.19	119	107513	5.008	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	106060	5.770	ug/l	94
85) sec-Butylbenzene	14.37	105	120240	5.417	ug/l	99
86) p-Isopropyltoluene	14.49	119	116751	5.622	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	62268	5.449	ug/l	93
88) 1,4-Dichlorobenzene	14.53	146	60656	5.369	ug/l	97
89) n-Butylbenzene	14.80	91	102962	5.601	ug/l	97
90) Hexachloroethane	15.01	117	28238	4.989	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	56695	5.923	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	2647	3.809	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	25501	4.850	ug/l	99
94) Hexachlorobutadiene	16.04	225	18363	4.820	ug/l	97
95) Naphthalene	16.13	128	40980	5.085	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	13968	4.662	ug/l	96

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

