

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061956.D
 Acq On : 23 Apr 2019 00:45
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 08:59:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 08:54:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	543589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	854284	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	723726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	308559	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	95136	19.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.98%	
35) Dibromofluoromethane	6.92	113	137440	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	
50) Toluene-d8	10.41	98	298628	19.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.82%	
62) 4-Bromofluorobenzene	13.55	95	127640	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	86737	16.340	ug/l	95
3) Chloromethane	1.75	50	73410	17.238	ug/l	98
4) Vinyl Chloride	1.85	62	67205	16.437	ug/l	94
5) Bromomethane	2.14	94	19815	17.907	ug/l	97
6) Chloroethane	2.25	64	22320	15.845	ug/l	96
7) Trichlorofluoromethane	2.53	101	109188	16.152	ug/l	99
8) Diethyl Ether	2.87	74	27654	15.915	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	97064	16.323	ug/l	97
10) Methyl Iodide	3.31	142	147020	18.095	ug/l	99
11) Tert butyl alcohol	4.05	59	23257	85.170	ug/l	95
12) 1,1-Dichloroethene	3.13	96	78730	15.814	ug/l	95
13) Acrolein	3.03	56	11780	44.216	ug/l	86
14) Allyl chloride	3.61	41	103289	15.124	ug/l	97
15) Acrylonitrile	4.19	53	72564	84.718	ug/l	98
16) Acetone	3.22	43	82415	75.463	ug/l	97
17) Carbon Disulfide	3.38	76	230730	14.509	ug/l	99
18) Methyl Acetate	3.63	43	38672	17.101	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	175228	17.954	ug/l	98
20) Methylene Chloride	3.81	84	103534	15.304	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	93459	16.606	ug/l	98
22) Diisopropyl ether	5.12	45	295641	19.477	ug/l	94
23) Vinyl Acetate	5.05	43	817121	100.038	ug/l	97
24) 1,1-Dichloroethane	4.98	63	181124	19.617	ug/l	98
25) 2-Butanone	6.06	43	124714	95.349	ug/l	92
26) 2,2-Dichloropropane	6.01	77	147015	18.820	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	119976	19.526	ug/l	93
28) Bromochloromethane	6.44	49	72286	20.371	ug/l	95
29) Tetrahydrofuran	6.45	42	60071	92.818	ug/l	98
30) Chloroform	6.66	83	204452	19.813	ug/l	96
31) Cyclohexane	6.95	56	128857	18.875	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	176818	19.552	ug/l	98
36) 1,1-Dichloropropene	7.15	75	148239	21.030	ug/l	97
37) Ethyl Acetate	6.17	43	61169	20.075	ug/l	98
38) Carbon Tetrachloride	7.11	117	192286	21.599	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	138305	19.150	ug/l	97
40) Benzene	7.45	78	354306	20.892	ug/l	98
41) Methacrylonitrile	6.44	41	75083	20.624	ug/l	95
42) 1,2-Dichloroethane	7.58	62	127946	21.398	ug/l	98
43) Isopropyl Acetate	9.24	43	87930	20.671	ug/l	96
44) Trichloroethene	8.53	130	124069	18.940	ug/l	92
45) 1,2-Dichloropropane	8.94	63	89012	20.117	ug/l	91
46) Dibromomethane	9.07	93	64963	20.469	ug/l	97
47) Bromodichloromethane	9.37	83	158265	21.912	ug/l	98
48) Methyl methacrylate	9.11	41	50935	20.534	ug/l	98
49) 1,4-Dioxane	9.08	88	11157	411.606	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	293560	110.656	ug/l	99
52) Toluene	10.51	92	232590	21.284	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	129856	19.982	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	164446	21.498	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	80128	21.741	ug/l	96
56) Ethyl methacrylate	11.04	69	85409	20.986	ug/l	98
57) 1,3-Dichloropropane	11.41	76	121657	21.818	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	200173	101.841	ug/l	97
59) 2-Hexanone	11.53	43	196119	101.549	ug/l	96
60) Dibromochloromethane	11.68	129	135278	22.715	ug/l	95
61) 1,2-Dibromoethane	11.80	107	85834	18.842	ug/l	97
64) Tetrachloroethene	11.25	164	113287	20.883	ug/l	96
65) Chlorobenzene	12.40	112	258632	18.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	116060	20.235	ug/l	98
67) Ethyl Benzene	12.52	91	417677	19.109	ug/l	96
68) m/p-Xylenes	12.67	106	344919	42.578	ug/l	99
69) o-Xylene	13.05	106	170926	22.161	ug/l	92
70) Styrene	13.07	104	298583	22.660	ug/l	98
71) Bromoform	13.24	173	68858	20.226	ug/l #	94
73) Isopropylbenzene	13.40	105	425018	21.557	ug/l	100
74) N-amyl acetate	13.27	43	116934	21.831	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	90347	22.875	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	89006	21.997	ug/l	97
77) Bromobenzene	13.67	156	125068	22.100	ug/l	96
78) n-propylbenzene	13.77	91	480598	20.971	ug/l	99
79) 2-Chlorotoluene	13.84	91	304121	22.586	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	375037	23.463	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	26193	22.577	ug/l	96
82) 4-Chlorotoluene	13.95	91	365197	23.584	ug/l	96
83) tert-Butylbenzene	14.19	119	417127	22.494	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	329339	21.174	ug/l	98
85) sec-Butylbenzene	14.37	105	426125	22.147	ug/l	95
86) p-Isopropyltoluene	14.49	119	416422	23.328	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	240861	24.473	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	197428	20.328	ug/l	97
89) n-Butylbenzene	14.79	91	383475	23.955	ug/l	96
90) Hexachloroethane	15.01	117	113941	23.272	ug/l #	63
91) 1,2-Dichlorobenzene	14.80	146	201394	24.097	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11877	21.752	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	103618	22.766	ug/l	92
94) Hexachlorobutadiene	16.04	225	69899	21.295	ug/l	95
95) Naphthalene	16.12	128	157529	22.669	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	53966	20.931	ug/l	99

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

