

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062628.D
 Acq On : 6 Jun 2019 16:53
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 07 04:12:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	733735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	950881	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	770072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	441618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	90715	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	
35) Dibromofluoromethane	6.94	113	87770	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	
50) Toluene-d8	10.42	98	186310	8.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.62%	
62) 4-Bromofluorobenzene	13.56	95	95356	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	91223	10.099	ug/l	96
3) Chloromethane	1.75	50	68799	9.793	ug/l	96
4) Vinyl Chloride	1.86	62	65913	9.519	ug/l	97
5) Bromomethane	2.16	94	34144	9.740	ug/l	98
6) Chloroethane	2.27	64	29409	8.252	ug/l #	85
7) Trichlorofluoromethane	2.54	101	156530	10.201	ug/l	98
8) Diethyl Ether	2.88	74	19585	9.943	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	80041	9.185	ug/l	96
10) Methyl Iodide	3.31	142	80503	7.413	ug/l	92
11) Tert butyl alcohol	4.09	59	21710	49.783	ug/l	95
12) 1,1-Dichloroethene	3.14	96	58931	9.375	ug/l	87
13) Acrolein	3.03	56	5225	33.130	ug/l	88
14) Allyl chloride	3.63	41	81184	8.480	ug/l	89
15) Acrylonitrile	4.21	53	38662	39.888	ug/l #	80
16) Acetone	3.24	43	83905	46.333	ug/l #	91
17) Carbon Disulfide	3.38	76	153459	8.367	ug/l	95
18) Methyl Acetate	3.65	43	24436	7.720	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	120058	7.803	ug/l	97
20) Methylene Chloride	3.83	84	57674	8.351	ug/l #	86
21) trans-1,2-Dichloroethene	4.23	96	53688	7.749	ug/l	97
22) Diisopropyl ether	5.14	45	161314	8.014	ug/l #	92
23) Vinyl Acetate	5.07	43	514911	41.582	ug/l	98
24) 1,1-Dichloroethane	5.00	63	111043	8.670	ug/l #	96
25) 2-Butanone	6.08	43	73370	43.592	ug/l	98
26) 2,2-Dichloropropane	6.03	77	136281	9.741	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	60789	8.287	ug/l	98
28) Bromochloromethane	6.45	49	38205	7.826	ug/l	95
29) Tetrahydrofuran	6.47	42	32555	41.468	ug/l	97
30) Chloroform	6.68	83	146311	9.126	ug/l	91
31) Cyclohexane	6.97	56	65864	7.999	ug/l	93
32) 1,1,1-Trichloroethane	6.89	97	154302	9.480	ug/l	98
36) 1,1-Dichloropropene	7.16	75	97080	9.431	ug/l	99
37) Ethyl Acetate	6.20	43	39325	9.533	ug/l #	89
38) Carbon Tetrachloride	7.12	117	157550	10.273	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	75220	8.722	ug/l	95
40) Benzene	7.47	78	168265	8.467	ug/l	100
41) Methacrylonitrile	6.47	41	50399	9.538	ug/l #	97
42) 1,2-Dichloroethane	7.59	62	112617	9.486	ug/l	99
43) Isopropyl Acetate	9.25	43	51150	9.122	ug/l #	94
44) Trichloroethene	8.55	130	73677	8.984	ug/l	98
45) 1,2-Dichloropropane	8.95	63	45680	9.244	ug/l #	85
46) Dibromomethane	9.07	93	36981	8.437	ug/l	86
47) Bromodichloromethane	9.39	83	103110	8.777	ug/l #	92
48) Methyl methacrylate	9.13	41	34745	9.182	ug/l	97
49) 1,4-Dioxane	9.08	88	5662	186.751	ug/l #	59
51) 4-Methyl-2-Pentanone	10.31	43	180594	48.779	ug/l	95
52) Toluene	10.52	92	129505	9.657	ug/l	89
53) t-1,3-Dichloropropene	10.92	75	84403	8.575	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	86028	8.635	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	47105	10.298	ug/l	95
56) Ethyl methacrylate	11.05	69	40501	8.192	ug/l	95
57) 1,3-Dichloropropane	11.42	76	65962	9.366	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	133839	51.506	ug/l	96
59) 2-Hexanone	11.54	43	125809	45.062	ug/l	98
60) Dibromochloromethane	11.69	129	81688	9.140	ug/l	91
61) 1,2-Dibromoethane	11.81	107	52475	9.400	ug/l	83
64) Tetrachloroethene	11.26	164	69430	10.107	ug/l	90
65) Chlorobenzene	12.41	112	150542	9.516	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	77061	10.099	ug/l	91
67) Ethyl Benzene	12.53	91	283998	9.862	ug/l	96
68) m/p-Xylenes	12.68	106	193702	19.388	ug/l	99
69) o-Xylene	13.06	106	92442	9.651	ug/l	91
70) Styrene	13.08	104	155093	9.603	ug/l	98
71) Bromoform	13.24	173	48948	9.389	ug/l #	91
73) Isopropylbenzene	13.40	105	291260	9.548	ug/l	99
74) N-amyl acetate	13.27	43	67688	8.579	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	44256	8.699	ug/l	89
76) 1,2,3-Trichloropropane	13.74	75	51400	8.889	ug/l	97
77) Bromobenzene	13.68	156	82413	9.774	ug/l	73
78) n-propylbenzene	13.78	91	327667	9.149	ug/l	95
79) 2-Chlorotoluene	13.85	91	189856	8.875	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	245715	9.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	13088	8.938	ug/l	95
82) 4-Chlorotoluene	13.96	91	251050	9.833	ug/l	97
83) tert-Butylbenzene	14.19	119	299259	10.273	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	259861	9.655	ug/l	99
85) sec-Butylbenzene	14.37	105	282833	9.372	ug/l	96
86) p-Isopropyltoluene	14.50	119	302064	10.422	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	145224	9.991	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	134430	9.245	ug/l	99
89) n-Butylbenzene	14.80	91	270697	10.223	ug/l	98
90) Hexachloroethane	15.01	117	76858	10.155	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	128621	9.858	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10202	9.779	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	93039	9.663	ug/l	99
94) Hexachlorobutadiene	16.04	225	68585	9.502	ug/l	96
95) Naphthalene	16.13	128	121115	8.866	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	66043	9.082	ug/l	84

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

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