

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062629.D
 Acq On : 6 Jun 2019 17:20
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 07 04:12:59 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	7.05	168	596746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	828996	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	718917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	383860	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	181325	22.24	ug/l	-0.02
Spiked Amount			Recovery	=	44.48%	
35) Dibromofluoromethane	6.93	113	171160	20.23	ug/l	0.00
Spiked Amount			Recovery	=	40.46%	
50) Toluene-d8	10.41	98	396168	21.50	ug/l	0.00
Spiked Amount			Recovery	=	43.00%	
62) 4-Bromofluorobenzene	13.56	95	179536	20.92	ug/l	0.00
Spiked Amount			Recovery	=	41.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	173202	23.576	ug/l	96
3) Chloromethane	1.74	50	130222	22.792	ug/l	98
4) Vinyl Chloride	1.84	62	126121	22.394	ug/l	99
5) Bromomethane	2.14	94	60539	21.234	ug/l #	82
6) Chloroethane	2.25	64	58331	20.125	ug/l	93
7) Trichlorofluoromethane	2.52	101	276412	22.149	ug/l	95
8) Diethyl Ether	2.86	74	34700	21.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	153520	21.662	ug/l	94
10) Methyl Iodide	3.29	142	184608	20.901	ug/l	96
11) Tert butyl alcohol	4.08	59	35994	101.486	ug/l	99
12) 1,1-Dichloroethene	3.12	96	104837	20.506	ug/l	92
13) Acrolein	3.03	56	12457	97.117	ug/l #	83
14) Allyl chloride	3.61	41	168116	21.593	ug/l #	90
15) Acrylonitrile	4.20	53	78955	100.158	ug/l	92
16) Acetone	3.23	43	155242	105.404	ug/l	96
17) Carbon Disulfide	3.36	76	311240	20.865	ug/l	98
18) Methyl Acetate	3.64	43	54279	21.085	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	269473	21.535	ug/l	93
20) Methylene Chloride	3.82	84	114225	20.335	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	106736	18.942	ug/l	86
22) Diisopropyl ether	5.13	45	354985	21.684	ug/l	93
23) Vinyl Acetate	5.06	43	1058849	105.138	ug/l	99
24) 1,1-Dichloroethane	4.98	63	224874	21.589	ug/l	97
25) 2-Butanone	6.08	43	151074	110.364	ug/l	100
26) 2,2-Dichloropropane	6.02	77	255862	22.486	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	118028	19.783	ug/l	89
28) Bromochloromethane	6.43	49	74567	18.780	ug/l	100
29) Tetrahydrofuran	6.46	42	67489	105.701	ug/l	97
30) Chloroform	6.67	83	278384	21.350	ug/l	100
31) Cyclohexane	6.96	56	132179	19.739	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	304714	23.020	ug/l	98
36) 1,1-Dichloropropene	7.14	75	183893	20.491	ug/l #	88
37) Ethyl Acetate	6.19	43	74876	20.820	ug/l #	95
38) Carbon Tetrachloride	7.11	117	292888	21.907	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	151151	20.103	ug/l	94
40) Benzene	7.46	78	357398	20.627	ug/l	99
41) Methacrylonitrile	6.45	41	96076	20.855	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	218073	21.070	ug/l	97
43) Isopropyl Acetate	9.25	43	105119	21.504	ug/l #	88
44) Trichloroethene	8.54	130	149384	20.895	ug/l	94
45) 1,2-Dichloropropane	8.94	63	91139	21.155	ug/l	93
46) Dibromomethane	9.07	93	82634	21.624	ug/l	93
47) Bromodichloromethane	9.38	83	217130	21.199	ug/l	98
48) Methyl methacrylate	9.13	41	66925	20.287	ug/l	91
49) 1,4-Dioxane	9.09	88	10468	396.031	ug/l	87
51) 4-Methyl-2-Pentanone	10.30	43	352253	109.132	ug/l	98
52) Toluene	10.51	92	243588	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	176444	20.561	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	191470	22.044	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	88582	22.213	ug/l	97
56) Ethyl methacrylate	11.04	69	94497	21.925	ug/l	98
57) 1,3-Dichloropropane	11.42	76	131595	21.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	256279	113.126	ug/l	96
59) 2-Hexanone	11.53	43	249027	102.311	ug/l	97
60) Dibromochloromethane	11.69	129	169045	21.695	ug/l	100
61) 1,2-Dibromoethane	11.81	107	99761	20.498	ug/l	96
64) Tetrachloroethene	11.26	164	133301	20.785	ug/l	89
65) Chlorobenzene	12.40	112	315463	21.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	142929	20.064	ug/l	92
67) Ethyl Benzene	12.53	91	537696	20.001	ug/l	97
68) m/p-Xylenes	12.67	106	383648	41.133	ug/l	98
69) o-Xylene	13.05	106	174432	19.506	ug/l	94
70) Styrene	13.08	104	298046	19.768	ug/l	95
71) Bromoform	13.24	173	109554	22.510	ug/l	93
73) Isopropylbenzene	13.40	105	570319	21.509	ug/l	96
74) N-amyl acetate	13.27	43	142950	20.845	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	95375	21.569	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	107284	21.345	ug/l	98
77) Bromobenzene	13.67	156	147301	20.097	ug/l	92
78) n-propylbenzene	13.78	91	710842	22.835	ug/l	98
79) 2-Chlorotoluene	13.85	91	404183	21.736	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	539412	23.089	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	27069	21.267	ug/l	85
82) 4-Chlorotoluene	13.95	91	511361	23.043	ug/l	87
83) tert-Butylbenzene	14.19	119	569983	22.511	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	495619	21.186	ug/l	99
85) sec-Butylbenzene	14.37	105	576676	21.984	ug/l	95
86) p-Isopropyltoluene	14.50	119	549396	21.808	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	296596	23.476	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	271481	21.479	ug/l	97
89) n-Butylbenzene	14.80	91	541796	23.540	ug/l	99
90) Hexachloroethane	15.01	117	139200	21.160	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	267642	23.599	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19817	21.853	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	187210	22.369	ug/l	98
94) Hexachlorobutadiene	16.04	225	151632	24.168	ug/l	95
95) Naphthalene	16.12	128	270188	22.754	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	156492	24.758	ug/l	96

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

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