

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062455.D
 Acq On : 20 May 2019 14:50
 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: May 20 16:07:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	655308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	873522	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	734211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	391384	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	72436	11.89	ug/l	0.00
Spiked Amount			Recovery	=	23.78%	
35) Dibromofluoromethane	6.94	113	80105	11.05	ug/l	0.00
Spiked Amount			Recovery	=	22.10%	
50) Toluene-d8	10.42	98	168607	9.65	ug/l	0.00
Spiked Amount			Recovery	=	19.30%	
62) 4-Bromofluorobenzene	13.56	95	77827	11.09	ug/l	0.00
Spiked Amount			Recovery	=	22.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	78891	12.587	ug/l	95
3) Chloromethane	1.74	50	44561	9.840	ug/l	89
4) Vinyl Chloride	1.85	62	47432	10.657	ug/l	98
5) Bromomethane	2.15	94	23899	22.916	ug/l #	80
6) Chloroethane	2.26	64	20585	11.022	ug/l #	86
7) Trichlorofluoromethane	2.53	101	113846	13.157	ug/l	91
8) Diethyl Ether	2.87	74	15173	9.092	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	63908	9.764	ug/l	93
10) Methyl Iodide	3.31	142	79092	7.995	ug/l #	82
11) Tert butyl alcohol	4.08	59	14243	45.819	ug/l	96
12) 1,1-Dichloroethene	3.13	96	46381	9.282	ug/l #	74
13) Acrolein	3.03	56	13938	43.351	ug/l	86
14) Allyl chloride	3.62	41	70705	9.732	ug/l #	69
15) Acrylonitrile	4.20	53	33560	41.074	ug/l #	91
16) Acetone	3.23	43	56654	44.361	ug/l #	84
17) Carbon Disulfide	3.38	76	140313	9.762	ug/l	96
18) Methyl Acetate	3.65	43	19545	7.803	ug/l #	86
19) Methyl tert-butyl Ether	4.24	73	105315	9.833	ug/l #	91
20) Methylene Chloride	3.82	84	74103	13.897	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	54808	9.857	ug/l	89
22) Diisopropyl ether	5.13	45	142647	9.227	ug/l	93
23) Vinyl Acetate	5.06	43	413009	50.634	ug/l	97
24) 1,1-Dichloroethane	4.99	63	87828	9.417	ug/l	97
25) 2-Butanone	6.08	43	57746	41.454	ug/l	98
26) 2,2-Dichloropropane	6.03	77	98687	10.623	ug/l	92
27) cis-1,2-Dichloroethene	6.05	96	54561	8.767	ug/l	89
28) Bromochloromethane	6.45	49	36629	9.983	ug/l	92
29) Tetrahydrofuran	6.48	42	28069	43.732	ug/l	96
30) Chloroform	6.67	83	114264	10.166	ug/l	98
31) Cyclohexane	6.96	56	66113	10.347	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	116717	10.986	ug/l	95
36) 1,1-Dichloropropene	7.15	75	83769	11.696	ug/l	94
37) Ethyl Acetate	6.19	43	30709	10.111	ug/l	94
38) Carbon Tetrachloride	7.12	117	117135	11.816	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	62703	9.138	ug/l	92
40) Benzene	7.47	78	154823	9.573	ug/l	96
41) Methacrylonitrile	6.46	41	38186	10.288	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	81384	11.877	ug/l	91
43) Isopropyl Acetate	9.25	43	39783	9.236	ug/l	89
44) Trichloroethene	8.55	130	60412	9.803	ug/l	81
45) 1,2-Dichloropropane	8.95	63	38251	9.562	ug/l	99
46) Dibromomethane	9.07	93	35119	10.796	ug/l #	86
47) Bromodichloromethane	9.39	83	84414	10.609	ug/l	96
48) Methyl methacrylate	9.13	41	27050	10.195	ug/l	89
49) 1,4-Dioxane	9.10	88	4590	160.333	ug/l #	62
51) 4-Methyl-2-Pentanone	10.31	43	129225	46.669	ug/l	93
52) Toluene	10.52	92	107789	10.244	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	64542	9.385	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	77622	10.346	ug/l #	80
55) 1,1,2-Trichloroethane	11.20	97	35692	9.586	ug/l	95
56) Ethyl methacrylate	11.05	69	38214	9.877	ug/l #	74
57) 1,3-Dichloropropane	11.42	76	53167	9.452	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	111634	52.824	ug/l	97
59) 2-Hexanone	11.54	43	93154	45.645	ug/l	89
60) Dibromochloromethane	11.69	129	65034	10.107	ug/l	93
61) 1,2-Dibromoethane	11.82	107	44310	9.789	ug/l	99
64) Tetrachloroethene	11.27	164	58289	10.153	ug/l	93
65) Chlorobenzene	12.41	112	135509	9.909	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	63802	10.720	ug/l	92
67) Ethyl Benzene	12.53	91	250687	10.950	ug/l	97
68) m/p-Xylenes	12.67	106	176440	21.183	ug/l	91
69) o-Xylene	13.06	106	77570	10.017	ug/l	82
70) Styrene	13.08	104	138317	10.544	ug/l	94
71) Bromoform	13.25	173	39733	9.596	ug/l #	94
73) Isopropylbenzene	13.41	105	240614	10.256	ug/l	97
74) N-amyl acetate	13.28	43	55698	9.055	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	41860	9.425	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	44334	9.532	ug/l	99
77) Bromobenzene	13.68	156	65236	9.933	ug/l	94
78) n-propylbenzene	13.78	91	276957	9.896	ug/l	91
79) 2-Chlorotoluene	13.85	91	183005	11.418	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	198358	10.040	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	12134	9.241	ug/l #	67
82) 4-Chlorotoluene	13.95	91	198683	10.534	ug/l	86
83) tert-Butylbenzene	14.20	119	236862	10.667	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	212291	10.708	ug/l	84
85) sec-Butylbenzene	14.38	105	247561	10.168	ug/l	99
86) p-Isopropyltoluene	14.50	119	216522	9.954	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	117582	9.801	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	111077	9.423	ug/l	96
89) n-Butylbenzene	14.80	91	216470	11.087	ug/l	90
90) Hexachloroethane	15.02	117	58614	9.909	ug/l	71
91) 1,2-Dichlorobenzene	14.82	146	102416	10.365	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	7621	10.453	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	74810	10.402	ug/l	89
94) Hexachlorobutadiene	16.04	225	60919	11.389	ug/l	95
95) Naphthalene	16.13	128	100091	9.969	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	63043	13.942	ug/l	97

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

