

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062611.D
 Acq On : 5 Jun 2019 13:52
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 06 05:28:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	793315	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1119979	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	903459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	485758	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	47549	4.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	8.74%	
35) Dibromofluoromethane	6.94	113	53382	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	10.42	98	108032	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
62) 4-Bromofluorobenzene	13.56	95	55312	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	69446	7.077	ug/l	96
3) Chloromethane	1.76	50	49826	6.504	ug/l	100
4) Vinyl Chloride	1.86	62	42275	5.627	ug/l	97
5) Bromomethane	2.16	94	26174	7.093	ug/l #	93
6) Chloroethane	2.28	64	22835	6.023	ug/l	100
7) Trichlorofluoromethane	2.55	101	96851	5.775	ug/l	95
8) Diethyl Ether	2.88	74	12424	5.700	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	50810	5.389	ug/l	93
10) Methyl Iodide	3.32	142	59021	4.890	ug/l #	82
11) Tert butyl alcohol	4.08	59	14051	28.836	ug/l #	77
12) 1,1-Dichloroethene	3.14	96	38149	5.521	ug/l	93
13) Acrolein	3.04	56	4626	26.845	ug/l #	58
14) Allyl chloride	3.63	41	52241	4.960	ug/l	98
15) Acrylonitrile	4.20	53	26298	24.757	ug/l #	82
16) Acetone	3.24	43	45823	23.432	ug/l	98
17) Carbon Disulfide	3.38	76	107714	5.349	ug/l #	92
18) Methyl Acetate	3.65	43	22584	6.494	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	81348	4.855	ug/l	98
20) Methylene Chloride	3.83	84	46361	6.091	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	37135	4.929	ug/l	93
22) Diisopropyl ether	5.13	45	112982	5.078	ug/l	96
23) Vinyl Acetate	5.08	43	322966	23.863	ug/l	98
24) 1,1-Dichloroethane	5.00	63	77766	5.548	ug/l #	94
25) 2-Butanone	6.08	43	42429	22.840	ug/l	97
26) 2,2-Dichloropropane	6.03	77	78643	5.135	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	43441	5.350	ug/l	87
28) Bromochloromethane	6.44	49	26360	4.971	ug/l #	71
29) Tetrahydrofuran	6.47	42	22514	26.108	ug/l	98
30) Chloroform	6.67	83	85827	4.923	ug/l	95
31) Cyclohexane	6.97	56	46475	5.187	ug/l #	93
32) 1,1,1-Trichloroethane	6.89	97	92802	5.258	ug/l	98
36) 1,1-Dichloropropene	7.15	75	64978	5.396	ug/l	95
37) Ethyl Acetate	6.21	43	22086	4.545	ug/l #	94
38) Carbon Tetrachloride	7.12	117	80189	4.393	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	50090	4.865	ug/l #	80
40) Benzene	7.47	78	119777	5.036	ug/l	98
41) Methacrylonitrile	6.46	41	30173	4.795	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	67234	4.803	ug/l	99
43) Isopropyl Acetate	9.25	43	31894	4.775	ug/l #	100
44) Trichloroethene	8.55	130	48116	4.989	ug/l	99
45) 1,2-Dichloropropane	8.95	63	29237	4.909	ug/l #	87
46) Dibromomethane	9.08	93	25664	4.953	ug/l #	78
47) Bromodichloromethane	9.39	83	69345	4.969	ug/l	94
48) Methyl methacrylate	9.13	41	22040	4.852	ug/l #	86
49) 1,4-Dioxane	9.09	88	2493	69.158	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	104280	23.979	ug/l	98
52) Toluene	10.52	92	73914	4.686	ug/l	91
53) t-1,3-Dichloropropene	10.92	75	51094	4.410	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	52708	4.467	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	25088	4.636	ug/l #	92
56) Ethyl methacrylate	11.04	69	27870	4.621	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	39085	4.626	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	72020	23.281	ug/l	98
59) 2-Hexanone	11.53	43	73882	22.405	ug/l	87
60) Dibromochloromethane	11.69	129	47819	4.522	ug/l	96
61) 1,2-Dibromoethane	11.81	107	32502	4.903	ug/l	98
64) Tetrachloroethene	11.26	164	43419	5.321	ug/l #	87
65) Chlorobenzene	12.41	112	88189	4.698	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	45006	4.987	ug/l	97
67) Ethyl Benzene	12.53	91	181213	5.341	ug/l	95
68) m/p-Xylenes	12.68	106	117025	9.888	ug/l	86
69) o-Xylene	13.05	106	60032	5.264	ug/l	95
70) Styrene	13.08	104	94420	4.929	ug/l	98
71) Bromoform	13.24	173	28822	4.624	ug/l	89
73) Isopropylbenzene	13.40	105	160894	4.764	ug/l	96
74) N-amyl acetate	13.27	43	41798	4.793	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.70	83	28590	5.049	ug/l	86
76) 1,2,3-Trichloropropane	13.74	75	33172	5.235	ug/l	88
77) Bromobenzene	13.67	156	46223	4.920	ug/l	92
78) n-propylbenzene	13.78	91	207637	5.301	ug/l	95
79) 2-Chlorotoluene	13.85	91	122876	5.174	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	152853	5.258	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	8183	5.024	ug/l	82
82) 4-Chlorotoluene	13.95	91	148242	5.305	ug/l	83
83) tert-Butylbenzene	14.19	119	174465	5.451	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	157956	5.309	ug/l	95
85) sec-Butylbenzene	14.37	105	168963	5.123	ug/l	99
86) p-Isopropyltoluene	14.50	119	158795	5.008	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	73715	4.675	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	78442	4.912	ug/l	94
89) n-Butylbenzene	14.80	91	155863	5.287	ug/l	98
90) Hexachloroethane	15.01	117	42392	5.080	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	73683	5.061	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	6025	5.202	ug/l	68

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	51788	4.950	ug/l	97
94) Hexachlorobutadiene	16.04	225	36615	4.666	ug/l	99
95) Naphthalene	16.13	128	72756	4.857	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	39636	4.955	ug/l	90

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

