

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061636.D
 Acq On : 6 Apr 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 08 07:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	725190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1211320	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	924645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	479239	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	31470	5.89	ug/l	0.00
Spiked Amount			Recovery	=	11.78%	
35) Dibromofluoromethane	6.92	113	47317	5.76	ug/l	0.00
Spiked Amount			Recovery	=	11.52%	
50) Toluene-d8	10.40	98	121341	6.05	ug/l	0.00
Spiked Amount			Recovery	=	12.10%	
62) 4-Bromofluorobenzene	13.55	95	52058	6.70	ug/l	0.00
Spiked Amount			Recovery	=	13.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	37211	4.890	ug/l	99
3) Chloromethane	1.76	50	30158	4.912	ug/l	100
4) Vinyl Chloride	1.85	62	25311	4.291	ug/l	100
5) Bromomethane	2.16	94	7445	5.633	ug/l #	81
6) Chloroethane	2.27	64	8702	4.696	ug/l	97
7) Trichlorofluoromethane	2.54	101	41911	4.828	ug/l	98
8) Diethyl Ether	2.87	74	11310	4.499	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	40964	4.740	ug/l	92
10) Methyl Iodide	3.31	142	29065	2.613	ug/l	97
11) Tert butyl alcohol	4.05	59	7049	19.099	ug/l #	86
12) 1,1-Dichloroethene	3.13	96	32324	4.313	ug/l	93
13) Acrolein	3.04	56	11185	25.230	ug/l	87
14) Allyl chloride	3.63	41	42457	4.078	ug/l	95
15) Acrylonitrile	4.19	53	28465	23.407	ug/l	96
16) Acetone	3.22	43	33890	21.257	ug/l	97
17) Carbon Disulfide	3.38	76	102231	4.195	ug/l	100
18) Methyl Acetate	3.65	43	16030	5.173	ug/l #	87
19) Methyl tert-butyl Ether	4.24	73	56279	4.382	ug/l	98
20) Methylene Chloride	3.81	84	57495	6.313	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	35760	4.424	ug/l	90
22) Diisopropyl ether	5.11	45	103039	4.826	ug/l	98
23) Vinyl Acetate	5.05	43	255076	21.612	ug/l	99
24) 1,1-Dichloroethane	4.99	63	57836	4.395	ug/l	99
25) 2-Butanone	6.06	43	39853	21.390	ug/l	99
26) 2,2-Dichloropropane	6.02	77	49191	4.601	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	40713	4.727	ug/l	83
28) Bromochloromethane	6.43	49	26989	5.743	ug/l	89
29) Tetrahydrofuran	6.45	42	21367	23.946	ug/l	94
30) Chloroform	6.66	83	62885	4.592	ug/l	97
31) Cyclohexane	6.94	56	45115	4.471	ug/l #	82
32) 1,1,1-Trichloroethane	6.87	97	53689	4.463	ug/l	98
36) 1,1-Dichloropropene	7.14	75	47734	4.408	ug/l	95
37) Ethyl Acetate	6.18	43	20534	4.567	ug/l #	94
38) Carbon Tetrachloride	7.10	117	58590	4.683	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	45063	3.991	ug/l	95
40) Benzene	7.45	78	113367	4.326	ug/l	99
41) Methacrylonitrile	6.44	41	22857	4.511	ug/l	95
42) 1,2-Dichloroethane	7.57	62	35442	4.279	ug/l	99
43) Isopropyl Acetate	9.24	43	24029	3.719	ug/l #	90
44) Trichloroethene	8.54	130	44799	4.488	ug/l	100
45) 1,2-Dichloropropane	8.93	63	26936	4.196	ug/l	94
46) Dibromomethane	9.05	93	19774	4.346	ug/l	89
47) Bromodichloromethane	9.37	83	42791	4.207	ug/l	97
48) Methyl methacrylate	9.11	41	15440	4.322	ug/l	96
49) 1,4-Dioxane	9.06	88	2764	69.900	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	80025	21.035	ug/l	93
52) Toluene	10.50	92	77413	4.769	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	38452	4.281	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	46461	4.199	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	23946	4.474	ug/l	96
56) Ethyl methacrylate	11.03	69	23210	3.991	ug/l	95
57) 1,3-Dichloropropane	11.40	76	35806	4.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	75458	28.642	ug/l	92
59) 2-Hexanone	11.52	43	62134	21.641	ug/l	99
60) Dibromochloromethane	11.68	129	36947	4.337	ug/l	94
61) 1,2-Dibromoethane	11.80	107	27651	4.378	ug/l	96
64) Tetrachloroethene	11.26	164	36348	5.152	ug/l	94
65) Chlorobenzene	12.40	112	92858	5.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	35060	4.836	ug/l	93
67) Ethyl Benzene	12.52	91	151544	5.219	ug/l	100
68) m/p-Xylenes	12.66	106	115484	10.767	ug/l	94
69) o-Xylene	13.05	106	54490	5.253	ug/l	92
70) Styrene	13.07	104	93605	5.270	ug/l	99
71) Bromoform	13.23	173	19964	4.615	ug/l	96
73) Isopropylbenzene	13.40	105	132956	4.122	ug/l	97
74) N-amyl acetate	13.26	43	33230	3.812	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	28312	4.390	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	28157	4.378	ug/l	99
77) Bromobenzene	13.67	156	42471	4.494	ug/l	78
78) n-propylbenzene	13.77	91	175771	4.633	ug/l	99
79) 2-Chlorotoluene	13.84	91	99192	4.572	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	115398	4.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	6983	3.508	ug/l	90
82) 4-Chlorotoluene	13.94	91	109882	4.635	ug/l	97
83) tert-Butylbenzene	14.19	119	137517	4.541	ug/l	87
84) 1,2,4-Trimethylbenzene	14.23	105	106171	4.081	ug/l	97
85) sec-Butylbenzene	14.37	105	149801	4.631	ug/l	97
86) p-Isopropyltoluene	14.48	119	131525	4.407	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	72786	4.523	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	75033	4.707	ug/l	97
89) n-Butylbenzene	14.79	91	112255	4.382	ug/l	96
90) Hexachloroethane	15.01	117	31609	4.103	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	62220	4.715	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	2899	3.593	ug/l #	38

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	29001	4.344	ug/l	97
94) Hexachlorobutadiene	16.03	225	19248	3.747	ug/l	94
95) Naphthalene	16.12	128	45203	4.293	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	14228	4.304	ug/l	95

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

