

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061349.D
 Acq On : 27 Mar 2019 12:11
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 28 09:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	775580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1248995	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1073018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	462418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	64415	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	
35) Dibromofluoromethane	6.90	113	98099	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	
50) Toluene-d8	10.39	98	227729	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
62) 4-Bromofluorobenzene	13.54	95	98104	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	78035	9.421 ug/l	98
3) Chloromethane	1.76	50	65689	9.724 ug/l	95
4) Vinyl Chloride	1.85	62	59433	9.582 ug/l	97
5) Bromomethane	2.15	94	13873	11.280 ug/l	92
6) Chloroethane	2.27	64	21838	12.006 ug/l	94
7) Trichlorofluoromethane	2.53	101	93388	10.354 ug/l	97
8) Diethyl Ether	2.87	74	30951	10.659 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	97889	10.096 ug/l	97
10) Methyl Iodide	3.30	142	102449	9.934 ug/l	96
11) Tert butyl alcohol	4.05	59	20189	48.931 ug/l #	92
12) 1,1-Dichloroethene	3.12	96	79803	9.586 ug/l	95
13) Acrolein	3.03	56	23074	55.578 ug/l	89
14) Allyl chloride	3.61	41	113652	9.788 ug/l	95
15) Acrylonitrile	4.18	53	75077	52.426 ug/l	95
16) Acetone	3.21	43	79727	46.812 ug/l	96
17) Carbon Disulfide	3.37	76	271059	10.022 ug/l	100
18) Methyl Acetate	3.63	43	33996	9.494 ug/l	98
19) Methyl tert-butyl Ether	4.22	73	143547	9.961 ug/l	99
20) Methylene Chloride	3.80	84	117416	10.801 ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	92312	10.271 ug/l	96
22) Diisopropyl ether	5.09	45	232293	9.454 ug/l	97
23) Vinyl Acetate	5.03	43	660921	49.519 ug/l	100
24) 1,1-Dichloroethane	4.96	63	145601	10.083 ug/l	96
25) 2-Butanone	6.05	43	106645	49.778 ug/l	99
26) 2,2-Dichloropropane	6.00	77	120440	10.492 ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	102824	10.442 ug/l	92
28) Bromochloromethane	6.41	49	57487	9.862 ug/l #	95
29) Tetrahydrofuran	6.43	42	51912	49.992 ug/l	97
30) Chloroform	6.64	83	148797	9.973 ug/l	94
31) Cyclohexane	6.93	56	110894	9.718 ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	127229	9.665 ug/l	95
36) 1,1-Dichloropropene	7.12	75	116545	10.691 ug/l	99
37) Ethyl Acetate	6.16	43	49421	10.601 ug/l	99
38) Carbon Tetrachloride	7.09	117	128981	10.392 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	120087	10.577	ug/l	97
40) Benzene	7.44	78	280616	10.257	ug/l	99
41) Methacrylonitrile	6.42	41	57221	10.497	ug/l	97
42) 1,2-Dichloroethane	7.55	62	85636	10.464	ug/l	100
43) Isopropyl Acetate	9.22	43	62424	9.203	ug/l	95
44) Trichloroethene	8.52	130	104904	10.304	ug/l	90
45) 1,2-Dichloropropane	8.91	63	73144	10.544	ug/l	96
46) Dibromomethane	9.04	93	46500	9.959	ug/l	93
47) Bromodichloromethane	9.36	83	103024	9.831	ug/l	98
48) Methyl methacrylate	9.09	41	38930	10.399	ug/l	95
49) 1,4-Dioxane	9.05	88	8530	206.581	ug/l	93
51) 4-Methyl-2-Pentanone	10.27	43	222374	53.885	ug/l	99
52) Toluene	10.49	92	185364	11.106	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	101015	10.609	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	119384	10.297	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	61103	10.468	ug/l	98
56) Ethyl methacrylate	11.02	69	66512	10.607	ug/l	99
57) 1,3-Dichloropropane	11.38	76	90169	10.510	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	184631	60.461	ug/l	99
59) 2-Hexanone	11.51	43	153458	51.323	ug/l	98
60) Dibromochloromethane	11.67	129	95031	10.561	ug/l	96
61) 1,2-Dibromoethane	11.79	107	68928	10.198	ug/l	100
64) Tetrachloroethene	11.24	164	82563	9.804	ug/l	98
65) Chlorobenzene	12.38	112	231897	10.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	83963	9.889	ug/l	98
67) Ethyl Benzene	12.51	91	344826	10.302	ug/l	96
68) m/p-Xylenes	12.65	106	255133	20.122	ug/l	100
69) o-Xylene	13.04	106	125517	10.201	ug/l	99
70) Styrene	13.06	104	228082	10.634	ug/l	97
71) Bromoform	13.22	173	50182	9.324	ug/l #	95
73) Isopropylbenzene	13.39	105	354441	11.013	ug/l	98
74) N-amyl acetate	13.25	43	93840	10.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	68549	10.097	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	65278	9.773	ug/l	99
77) Bromobenzene	13.66	156	98173	10.289	ug/l	87
78) n-propylbenzene	13.77	91	398026	10.106	ug/l	100
79) 2-Chlorotoluene	13.82	91	215999	10.100	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	264306	9.938	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	20043	9.841	ug/l	88
82) 4-Chlorotoluene	13.93	91	241741	10.396	ug/l	94
83) tert-Butylbenzene	14.18	119	343283	11.000	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	280779	10.386	ug/l	98
85) sec-Butylbenzene	14.36	105	355658	10.728	ug/l	97
86) p-Isopropyltoluene	14.48	119	285880	10.198	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	174200	10.782	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	164633	10.449	ug/l	96
89) n-Butylbenzene	14.79	91	273215	10.618	ug/l	99
90) Hexachloroethane	15.00	117	76749	9.691	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	144113	10.874	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	7563	9.498	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	59971	9.934	ug/l	97
94) Hexachlorobutadiene	16.03	225	50396	10.683	ug/l	98
95) Naphthalene	16.12	128	90793	9.867	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	28052	10.559	ug/l	92

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

