

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064395.D
 Acq On : 27 Nov 2019 14:39
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:10 AM

Quant Time: Nov 29 07:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	684710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	38194	8.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.80%	
35) Dibromofluoromethane	7.92	113	39683	9.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.40%	
50) Toluene-d8	10.34	98	148612	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
62) 4-Bromofluorobenzene	12.64	95	48856	9.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	46851	10.909	ug/l	100
3) Chloromethane	2.21	50	57592	10.632	ug/l	96
4) Vinyl Chloride	2.35	62	65068	10.403	ug/l	99
5) Bromomethane	2.77	94	47140	10.192	ug/l	96
6) Chloroethane	2.93	64	42056	10.060	ug/l	93
7) Trichlorofluoromethane	3.27	101	110186	10.597	ug/l	95
8) Diethyl Ether	3.71	74	22220	10.284	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46879	10.515	ug/l	97
10) Methyl Iodide	4.30	142	43909	9.326	ug/l	98
11) Tert butyl alcohol	5.26	59	14082	51.562	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	45091	10.554	ug/l	94
13) Acrolein	3.93	56	15955	42.831	ug/l	93
14) Allyl chloride	4.71	41	71375	10.705	ug/l	96
15) Acrylonitrile	5.44	53	49314	52.193	ug/l	96
16) Acetone	4.17	43	46858	54.046	ug/l	99
17) Carbon Disulfide	4.40	76	141697	10.472	ug/l	97
18) Methyl Acetate	4.73	43	26746	10.576	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	96956	9.893	ug/l	94
20) Methylene Chloride	4.96	84	51221	7.881	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	49026	10.145	ug/l	97
22) Diisopropyl ether	6.37	45	126243	9.591	ug/l	96
23) Vinyl Acetate	6.31	43	386130	49.760	ug/l	99
24) 1,1-Dichloroethane	6.27	63	79767	10.077	ug/l	98
25) 2-Butanone	7.23	43	63516	51.802	ug/l	97
26) 2,2-Dichloropropane	7.21	77	72081	10.471	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52468	9.958	ug/l	100
28) Bromochloromethane	7.55	49	13489	4.986	ug/l	99
29) Tetrahydrofuran	7.58	42	41466	53.155	ug/l	97
30) Chloroform	7.71	83	86571	10.560	ug/l	91
31) Cyclohexane	7.98	56	81284	7.899	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	75167	9.890	ug/l	98
36) 1,1-Dichloropropene	8.11	75	66028	10.195	ug/l	99
37) Ethyl Acetate	7.31	43	28360	10.320	ug/l #	96
38) Carbon Tetrachloride	8.10	117	71419	10.448	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83082	10.342	ug/l	95
40) Benzene	8.36	78	181922	10.114	ug/l	96
41) Methacrylonitrile	7.53	41	17964	11.399	ug/l	95
42) 1,2-Dichloroethane	8.43	62	52949	10.094	ug/l	100
43) Isopropyl Acetate	8.46	43	56388	10.436	ug/l	97
44) Trichloroethene	9.11	130	54580	10.073	ug/l	91
45) 1,2-Dichloropropane	9.39	63	43540	10.121	ug/l	98
46) Dibromomethane	9.47	93	24596	10.130	ug/l	98
47) Bromodichloromethane	9.67	83	61319	9.829	ug/l	99
48) Methyl methacrylate	9.46	41	24671	9.978	ug/l	99
49) 1,4-Dioxane	9.47	88	6595	219.964	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	135573	50.710	ug/l	100
52) Toluene	10.41	92	117103	9.989	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	59957	10.084	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	70231	9.943	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	33538	10.088	ug/l	92
56) Ethyl methacrylate	10.67	69	43124	10.170	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57549	10.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89280	52.817	ug/l	100
59) 2-Hexanone	10.99	43	94548	50.967	ug/l	99
60) Dibromochloromethane	11.14	129	43696	9.694	ug/l	98
61) 1,2-Dibromoethane	11.25	107	33369	10.052	ug/l	99
64) Tetrachloroethene	10.88	164	46483	10.210	ug/l	97
65) Chlorobenzene	11.67	112	122386	9.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	45005	9.764	ug/l	98
67) Ethyl Benzene	11.75	91	217368	9.812	ug/l	97
68) m/p-Xylenes	11.86	106	169602	20.079	ug/l	100
69) o-Xylene	12.18	106	77120	9.886	ug/l	99
70) Styrene	12.20	104	130712	9.642	ug/l	99
71) Bromoform	12.36	173	27526	9.982	ug/l #	97
73) Isopropylbenzene	12.48	105	209430	10.094	ug/l	100
74) N-amyl acetate	12.30	43	47423	10.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34812	10.146	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	24484m	10.320	ug/l	
77) Bromobenzene	12.77	156	52391	10.225	ug/l	98
78) n-propylbenzene	12.83	91	243961	10.191	ug/l	99
79) 2-Chlorotoluene	12.91	91	135193	10.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	172889	10.197	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	11743	10.793	ug/l	96
82) 4-Chlorotoluene	13.01	91	141221	10.125	ug/l	100
83) tert-Butylbenzene	13.23	119	149406	10.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	169892	9.965	ug/l	99
85) sec-Butylbenzene	13.41	105	205597	10.162	ug/l	99
86) p-Isopropyltoluene	13.53	119	189419	9.917	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	96791	9.953	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	97547	10.160	ug/l	97
89) n-Butylbenzene	13.85	91	178723	10.304	ug/l	99
90) Hexachloroethane	14.12	117	36030	10.085	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81891	9.853	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5937	7.890	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	63165	9.924	ug/l	99
94) Hexachlorobutadiene	15.28	225	41432	10.544	ug/l	96
95) Naphthalene	15.41	128	107359	10.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	55232	10.166	ug/l	98

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

