

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064402.D
 Acq On : 27 Nov 2019 18:22
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:31 AM

Quant Time: Nov 29 07:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	460231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	43941	11.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.32%	
35) Dibromofluoromethane	7.92	113	44799	11.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.50%	
50) Toluene-d8	10.34	98	166249	11.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.22%	
62) 4-Bromofluorobenzene	12.64	95	53987	11.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48719	12.734	ug/l	93
3) Chloromethane	2.21	50	61651	14.535	ug/l	100
4) Vinyl Chloride	2.35	62	68236	14.777	ug/l	99
5) Bromomethane	2.77	94	51711	17.325	ug/l	91
6) Chloroethane	2.93	64	45732	15.371	ug/l	96
7) Trichlorofluoromethane	3.27	101	115025	15.277	ug/l	98
8) Diethyl Ether	3.71	74	22645	11.536	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	49706	12.190	ug/l	98
10) Methyl Iodide	4.29	142	41007	10.042	ug/l	98
11) Tert butyl alcohol	5.26	59	15788	60.030	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	45143	11.628	ug/l	88
13) Acrolein	3.93	56	20668	87.455	ug/l	99
14) Allyl chloride	4.71	41	68361	10.180	ug/l	99
15) Acrylonitrile	5.44	53	51840	61.602	ug/l	100
16) Acetone	4.17	43	48935	55.387	ug/l	95
17) Carbon Disulfide	4.40	76	146573	12.077	ug/l	98
18) Methyl Acetate	4.72	43	27565	11.091	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	102569	11.101	ug/l	96
20) Methylene Chloride	4.96	84	56049	12.306	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	51960	11.791	ug/l	97
22) Diisopropyl ether	6.37	45	137581	10.882	ug/l	99
23) Vinyl Acetate	6.31	43	404377	56.915	ug/l	100
24) 1,1-Dichloroethane	6.27	63	84780	11.497	ug/l	97
25) 2-Butanone	7.23	43	67149	57.915	ug/l	95
26) 2,2-Dichloropropane	7.21	77	72651	10.244	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55828	11.757	ug/l	98
28) Bromochloromethane	7.54	49	23463	9.155	ug/l	96
29) Tetrahydrofuran	7.57	42	43683	62.469	ug/l	99
30) Chloroform	7.71	83	86769	11.468	ug/l	100
31) Cyclohexane	7.98	56	84785	11.458	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	82177	11.407	ug/l	99
36) 1,1-Dichloropropene	8.11	75	68773	11.283	ug/l	99
37) Ethyl Acetate	7.30	43	30659	11.814	ug/l	96
38) Carbon Tetrachloride	8.10	117	71596	10.935	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86191	11.112	ug/l	96
40) Benzene	8.36	78	190058	11.324	ug/l	99
41) Methacrylonitrile	7.53	41	14189	8.729	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	57006	11.353	ug/l	100
43) Isopropyl Acetate	8.46	43	58100	10.947	ug/l	98
44) Trichloroethene	9.11	130	59144	11.776	ug/l	98
45) 1,2-Dichloropropane	9.39	63	45045	11.004	ug/l	99
46) Dibromomethane	9.48	93	26027	11.789	ug/l	99
47) Bromodichloromethane	9.67	83	66274	11.214	ug/l	99
48) Methyl methacrylate	9.46	41	26863	10.433	ug/l	98
49) 1,4-Dioxane	9.47	88	6946	261.607	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	146737	57.356	ug/l	100
52) Toluene	10.40	92	123165	11.186	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	60460	10.297	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	73275	10.674	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	36147	12.094	ug/l	94
56) Ethyl methacrylate	10.67	69	43413	10.489	ug/l	98
57) 1,3-Dichloropropane	10.95	76	60783	11.691	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	89856	54.488	ug/l	98
59) 2-Hexanone	10.99	43	102001	56.384	ug/l	100
60) Dibromochloromethane	11.14	129	48547	11.651	ug/l	98
61) 1,2-Dibromoethane	11.26	107	35837	11.966	ug/l	99
64) Tetrachloroethene	10.88	164	49506	11.084	ug/l	96
65) Chlorobenzene	11.67	112	136015	11.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48615	10.775	ug/l	98
67) Ethyl Benzene	11.75	91	234528	10.942	ug/l	98
68) m/p-Xylenes	11.86	106	181242	22.074	ug/l	99
69) o-Xylene	12.18	106	81681	10.726	ug/l	99
70) Styrene	12.20	104	140568	10.591	ug/l	100
71) Bromoform	12.37	173	30930	12.009	ug/l #	92
73) Isopropylbenzene	12.48	105	226381	11.003	ug/l	99
74) N-amyl acetate	12.29	43	52272	10.750	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38329	12.122	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	24900m	11.042	ug/l	
77) Bromobenzene	12.77	156	54977	10.958	ug/l	99
78) n-propylbenzene	12.83	91	260333	11.072	ug/l	100
79) 2-Chlorotoluene	12.91	91	145394	10.988	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	185183	10.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11893	10.533	ug/l #	92
82) 4-Chlorotoluene	13.01	91	151801	10.972	ug/l	99
83) tert-Butylbenzene	13.23	119	160778	10.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	183651	10.993	ug/l	97
85) sec-Butylbenzene	13.41	105	218199	10.897	ug/l	99
86) p-Isopropyltoluene	13.53	119	204182	10.734	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	104140	11.144	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105357	11.586	ug/l	97
89) n-Butylbenzene	13.85	91	184709	10.743	ug/l	97
90) Hexachloroethane	14.12	117	38023	10.782	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	89048	11.229	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6879	12.404	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70078	11.515	ug/l	97
94) Hexachlorobutadiene	15.28	225	43354	11.071	ug/l	97
95) Naphthalene	15.41	128	117914	11.734	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	59318	11.394	ug/l	97

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

