

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064401.D
 Acq On : 27 Nov 2019 17:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:27 AM

Quant Time: Nov 29 07:03:20 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	7.99	168	513576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	23639	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.91	113	24687	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	10.34	98	89983	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	
62) 4-Bromofluorobenzene	12.64	95	30068	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24524	5.744	ug/l	95
3) Chloromethane	2.21	50	31996	6.760	ug/l	100
4) Vinyl Chloride	2.35	62	34475	6.690	ug/l	96
5) Bromomethane	2.77	94	26725	8.024	ug/l	95
6) Chloroethane	2.93	64	23256	7.005	ug/l	93
7) Trichlorofluoromethane	3.27	101	59096	7.033	ug/l	99
8) Diethyl Ether	3.71	74	11787	5.381	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25730	5.655	ug/l	97
10) Methyl Iodide	4.29	142	20433	4.484	ug/l #	95
11) Tert butyl alcohol	5.26	59	6986	23.803	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	25070	5.787	ug/l #	74
13) Acrolein	3.93	56	10550	40.005	ug/l	98
14) Allyl chloride	4.71	41	37762	5.039	ug/l	95
15) Acrylonitrile	5.43	53	24409	25.993	ug/l	99
16) Acetone	4.17	43	25759	26.127	ug/l	95
17) Carbon Disulfide	4.40	76	74461	5.498	ug/l #	95
18) Methyl Acetate	4.74	43	13560	4.889	ug/l	92
19) Methyl tert-butyl Ether	5.49	73	51363	4.981	ug/l	94
20) Methylene Chloride	4.97	84	32398	6.374	ug/l #	87
21) trans-1,2-Dichloroethene	5.46	96	27008	5.492	ug/l	90
22) Diisopropyl ether	6.37	45	70002	4.962	ug/l	96
23) Vinyl Acetate	6.31	43	189094	23.850	ug/l	98
24) 1,1-Dichloroethane	6.26	63	42911	5.215	ug/l	96
25) 2-Butanone	7.23	43	32764	25.323	ug/l	96
26) 2,2-Dichloropropane	7.21	77	39892	5.041	ug/l	95
27) cis-1,2-Dichloroethene	7.22	96	29083	5.489	ug/l	97
28) Bromochloromethane	7.55	49	17913	6.263	ug/l	95
29) Tetrahydrofuran	7.57	42	20720	26.553	ug/l	98
30) Chloroform	7.71	83	44503	5.271	ug/l	92
31) Cyclohexane	7.98	56	51184	6.199	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	41503	5.163	ug/l	97
36) 1,1-Dichloropropene	8.11	75	37793	5.504	ug/l	99
37) Ethyl Acetate	7.30	43	14084	4.818	ug/l	96
38) Carbon Tetrachloride	8.10	117	36618	4.965	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	45385	5.194	ug/l	96
40) Benzene	8.36	78	98580	5.214	ug/l	93
41) Methacrylonitrile	7.53	41	7836	4.279	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	27816	4.918	ug/l	97
43) Isopropyl Acetate	8.46	43	28086	4.698	ug/l	98
44) Trichloroethene	9.11	130	30337	5.362	ug/l	94
45) 1,2-Dichloropropane	9.39	63	23087	5.006	ug/l	94
46) Dibromomethane	9.48	93	12290	4.942	ug/l	96
47) Bromodichloromethane	9.67	83	32276	4.848	ug/l #	94
48) Methyl methacrylate	9.46	41	12383	4.269	ug/l	97
49) 1,4-Dioxane	9.46	88	2988	99.900	ug/l #	82
51) 4-Methyl-2-Pentanone	10.23	43	66302	23.005	ug/l	100
52) Toluene	10.40	92	62498	5.039	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	30377	4.593	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	37271	4.820	ug/l #	89
55) 1,1,2-Trichloroethane	10.80	97	18152	5.391	ug/l	99
56) Ethyl methacrylate	10.67	69	21781	4.671	ug/l	96
57) 1,3-Dichloropropane	10.95	76	29797	5.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	49582	26.690	ug/l	96
59) 2-Hexanone	10.98	43	46564	22.849	ug/l	100
60) Dibromochloromethane	11.14	129	23006	4.901	ug/l	99
61) 1,2-Dibromoethane	11.25	107	17676	5.239	ug/l	100
64) Tetrachloroethene	10.88	164	25628	5.155	ug/l	96
65) Chlorobenzene	11.67	112	69518	5.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	24072	4.793	ug/l	96
67) Ethyl Benzene	11.75	91	124537	5.220	ug/l	97
68) m/p-Xylenes	11.86	106	90726	9.927	ug/l	99
69) o-Xylene	12.18	106	41753	4.926	ug/l	99
70) Styrene	12.20	104	71882	4.866	ug/l	97
71) Bromoform	12.37	173	14597	5.092	ug/l #	100
73) Isopropylbenzene	12.48	105	116148	5.033	ug/l	99
74) N-amyl acetate	12.30	43	24147	4.428	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	19694	5.553	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	12184m	4.817	ug/l	
77) Bromobenzene	12.77	156	27830	4.946	ug/l	98
78) n-propylbenzene	12.83	91	132106	5.010	ug/l	100
79) 2-Chlorotoluene	12.91	91	70926	4.779	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	90621	4.775	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	6020	4.754	ug/l	94
82) 4-Chlorotoluene	13.01	91	77747	5.010	ug/l	99
83) tert-Butylbenzene	13.23	119	81699	4.906	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	93715	5.001	ug/l	100
85) sec-Butylbenzene	13.41	105	114038	5.078	ug/l	98
86) p-Isopropyltoluene	13.52	119	103842	4.867	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	54478	5.198	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	53752	5.270	ug/l	92
89) n-Butylbenzene	13.85	91	97336	5.048	ug/l	98
90) Hexachloroethane	14.12	117	20859	5.273	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	45181	5.080	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3594	5.778	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36415	5.335	ug/l	98
94) Hexachlorobutadiene	15.28	225	22218	5.058	ug/l	94
95) Naphthalene	15.41	128	57506	5.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30410	5.208	ug/l	99

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

