

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064406.D
 Acq On : 27 Nov 2019 20:14
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:47 AM

Quant Time: Nov 29 07:13:17 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	455895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	621972	166.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.18%	
35) Dibromofluoromethane	7.92	113	603685	159.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.66%	
50) Toluene-d8	10.34	98	2321338	163.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.30%	
62) 4-Bromofluorobenzene	12.64	95	755507	155.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	521369	137.573	ug/l	98
3) Chloromethane	2.21	50	651085	154.961	ug/l	100
4) Vinyl Chloride	2.35	62	779883	170.495	ug/l	97
5) Bromomethane	2.74	94	603628	204.159	ug/l	94
6) Chloroethane	2.91	64	527057	178.840	ug/l	98
7) Trichlorofluoromethane	3.26	101	1298557	174.105	ug/l	97
8) Diethyl Ether	3.71	74	294855	151.642	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	553858	137.119	ug/l	99
10) Methyl Iodide	4.29	142	735244	181.758	ug/l	99
11) Tert butyl alcohol	5.26	59	183438	704.111	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	535168	139.155	ug/l	98
13) Acrolein	3.92	56	248417	1061.160	ug/l	100
14) Allyl chloride	4.71	41	875179	131.569	ug/l	99
15) Acrylonitrile	5.43	53	658363	789.781	ug/l	98
16) Acetone	4.17	43	534684	610.936	ug/l	97
17) Carbon Disulfide	4.40	76	1715106	142.664	ug/l	99
18) Methyl Acetate	4.72	43	345312	140.255	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1378821	150.644	ug/l	98
20) Methylene Chloride	4.96	84	593238	131.490	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	622678	142.643	ug/l	97
22) Diisopropyl ether	6.37	45	1823420	145.597	ug/l	96
23) Vinyl Acetate	6.31	43	5673344	806.097	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1046721	143.300	ug/l	98
25) 2-Butanone	7.23	43	838983	730.490	ug/l	100
26) 2,2-Dichloropropane	7.21	77	897305	127.724	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	697302	148.245	ug/l	100
28) Bromochloromethane	7.55	49	395383	155.738	ug/l	99
29) Tetrahydrofuran	7.57	42	539425	778.745	ug/l	99
30) Chloroform	7.71	83	1091881	145.684	ug/l	99
31) Cyclohexane	7.98	56	913756	124.663	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	997013	139.714	ug/l	99
36) 1,1-Dichloropropene	8.11	75	840057	139.181	ug/l	100
37) Ethyl Acetate	7.30	43	377912	147.059	ug/l	99
38) Carbon Tetrachloride	8.10	117	924915	142.659	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1030589	134.175	ug/l	98
40) Benzene	8.35	78	2423149	145.802	ug/l	100
41) Methacrylonitrile	7.53	41	219383	136.296	ug/l	90
42) 1,2-Dichloroethane	8.43	62	725696	145.953	ug/l	98
43) Isopropyl Acetate	8.46	43	770273	146.561	ug/l	99
44) Trichloroethene	9.11	130	702044	141.161	ug/l	95
45) 1,2-Dichloropropane	9.39	63	584658	144.230	ug/l	99
46) Dibromomethane	9.48	93	342895	156.846	ug/l	99
47) Bromodichloromethane	9.67	83	868392	148.379	ug/l	100
48) Methyl methacrylate	9.46	41	354443	139.008	ug/l	97
49) 1,4-Dioxane	9.47	88	83311	3168.648	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1954837	771.621	ug/l	100
52) Toluene	10.41	92	1622679	148.822	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	861952	148.246	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	994419	146.290	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	453350	153.177	ug/l	98
56) Ethyl methacrylate	10.66	69	622207	151.805	ug/l	99
57) 1,3-Dichloropropane	10.95	76	791761	153.788	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1127368	690.359	ug/l	100
59) 2-Hexanone	10.99	43	1332487	743.821	ug/l	100
60) Dibromochloromethane	11.14	129	639010	154.874	ug/l	98
61) 1,2-Dibromoethane	11.25	107	466716	157.376	ug/l	99
64) Tetrachloroethene	10.88	164	600952	128.759	ug/l	99
65) Chlorobenzene	11.67	112	1726216	139.092	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	681548	144.556	ug/l	98
67) Ethyl Benzene	11.75	91	3096908	138.264	ug/l	99
68) m/p-Xylenes	11.86	106	2398204	279.512	ug/l	100
69) o-Xylene	12.18	106	1121452	140.927	ug/l	98
70) Styrene	12.20	104	2014224	145.233	ug/l	100
71) Bromoform	12.37	173	402622	149.600	ug/l #	98
73) Isopropylbenzene	12.48	105	3019021	130.876	ug/l	100
74) N-amyl acetate	12.30	43	731638	134.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	491004	138.502	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	402554m	159.216	ug/l	
77) Bromobenzene	12.77	156	765707	136.126	ug/l	99
78) n-propylbenzene	12.83	91	3463013	131.368	ug/l	100
79) 2-Chlorotoluene	12.91	91	1906602	128.511	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2500144	131.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	171797	135.704	ug/l	97
82) 4-Chlorotoluene	13.01	91	2055802	132.527	ug/l	99
83) tert-Butylbenzene	13.23	119	2159253	129.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2548894	136.075	ug/l	99
85) sec-Butylbenzene	13.41	105	2917409	129.946	ug/l	99
86) p-Isopropyltoluene	13.53	119	2849582	133.614	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1453032	138.683	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1407818	138.085	ug/l	99
89) n-Butylbenzene	13.85	91	2523688	130.920	ug/l	99
90) Hexachloroethane	14.12	117	516860	130.715	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1240404	139.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	79063	127.158	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	923489	135.342	ug/l	99
94) Hexachlorobutadiene	15.28	225	555470	126.510	ug/l	99
95) Naphthalene	15.41	128	1594629	141.534	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	800133	137.085	ug/l	100

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

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