

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033310.D
 Acq On : 14 Mar 2019 10:54
 Operator : SY/AP
 Sample : VL0313ABS02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:42:00 PM

Quant Time: Mar 15 02:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	729006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1972856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2011053m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1537693	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1466139	10.869	ppbv	99
3) Chlorodifluoromethane	3.01	51	883894	9.295	ppbv	100
4) Chloromethane	3.17	50	472595	9.180	ppbv	99
5) Vinyl Chloride	3.29	62	464422	9.012	ppbv	99
6) Bromomethane	3.52	94	304330	9.808	ppbv	96
7) Chloroethane	3.60	64	180334	9.773	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1152740	9.358	ppbv	97
9) Propene	3.04	41	402231	9.373	ppbv	100
10) Heptane	8.25	43	1187636	11.320	ppbv	99
11) Trichlorofluoromethane	4.01	101	1295301	9.557	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	889421	9.734	ppbv	99
13) Ethanol	3.65	45	93976	7.154	ppbv	99
14) Bromoethene	3.79	108	381361	10.041	ppbv	99
15) Acetone	3.90	43	822837	8.209	ppbv	99
16) 1,3-Butadiene	3.36	39	367042	8.943	ppbv	84
17) tert-Butyl alcohol	4.36	59	159534	9.125	ppbv	97
18) 1,1-Dichloroethene	4.35	96	386531	9.578	ppbv	97
19) Isopropyl Alcohol	4.02	45	556466	9.075	ppbv	100
20) Methylene Chloride	4.41	84	336137	8.283	ppbv	96
21) Allyl Chloride	4.48	41	608216	10.050	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	404474	9.935	ppbv	98
23) Vinyl Acetate	5.16	43	1455370	10.001	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1010229	9.596	ppbv	99
25) Ethyl Acetate	5.77	43	1723822	9.441	ppbv	100
26) Hexane	5.78	57	761422	8.925	ppbv	98
27) Carbon Disulfide	4.62	76	994736	10.902	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1207475	9.845	ppbv	99
29) Chloroform	5.85	83	1279328	9.646	ppbv	99
30) Cyclohexane	7.25	84	744387	11.239	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	808227	9.838	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1373530	10.672	ppbv	100
34) 2-Butanone	5.33	43	1136770	8.334	ppbv	100
35) Carbon Tetrachloride	7.14	117	1504090	9.918	ppbv	100
36) Benzene	7.01	78	1878901	9.697	ppbv	99
37) 1,2-Dichloroethane	6.42	62	992837	8.578	ppbv	99
38) Trichloroethene	7.97	130	703118	9.178	ppbv	97
39) 1,2-Dichloropropane	7.74	63	704763	9.472	ppbv	99
40) 1,4-Dioxane	7.96	88	250393	9.313	ppbv	74
41) Tetrahydrofuran	6.15	42	664463	8.781	ppbv	100
42) Bromodichloromethane	7.92	83	1610402	9.925	ppbv	98
43) Methyl Methacrylate	8.14	69	770096	9.983	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3097351	9.350	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1012924	11.197	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1152525	10.574	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	753254	9.458	ppbv	97
48) Dibromochloromethane	10.45	129	1348639	10.293	ppbv	99
49) Bromoform	13.20	173	1167059	10.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1876898	9.497	ppbv	100
51) 2-Hexanone	10.27	43	1498994	9.934	ppbv	99
52) Tetrachloroethene	11.37	164	670821	8.429	ppbv	98
53) Toluene	9.95	91	2187113	9.858	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1211019	9.525	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	937749	10.392	ppbv	98
57) Chlorobenzene	12.31	112	1578051	9.719	ppbv	98
58) Ethyl Benzene	12.87	91	2983718	10.335	ppbv	100
59) m/p-Xylene	13.15	91	4983971m	20.531	ppbv	
60) o-Xylene	13.85	91	2416358	10.320	ppbv	99
61) Styrene	13.69	104	1791881	10.906	ppbv	99
62) Isopropylbenzene	14.83	105	3360602	10.202	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1649748	9.776	ppbv	100
64) n-propylbenzene	15.73	120	840939	10.295	ppbv	99
65) tert-Butylbenzene	16.91	119	2941803	10.567	ppbv	100
66) Benzyl Chloride	17.16	91	1488258	13.436	ppbv	99
67) sec-Butylbenzene	17.46	105	4179076	10.441	ppbv	100
69) p-Isopropyltoluene	17.82	119	3450701	10.789	ppbv	100
70) n-Butylbenzene	18.72	91	3651381	10.920	ppbv	100
71) 2-Chlorotoluene	15.62	91	2572757	10.428	ppbv	100
72) 4-Ethyltoluene	16.00	105	2725251	10.865	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2636643	11.180	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2676597	11.122	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1522245	10.105	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1535119	10.436	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1492965	10.179	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	857152	7.925	ppbv	100
79) Naphthalene	22.42	128	2758172	13.950	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1202926	21.722	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1365336	12.144	ppbv	99

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

