

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034339.D
 Acq On : 18 Oct 2019 11:26
 Operator : SY/AP
 Sample : VL1017SABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017SABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:56:28 PM

Quant Time: Oct 19 00:33:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 19 00:33:53 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	879538	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1848556	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2037881	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1591697	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1066666	7.035	ppbv	98
3) Chlorodifluoromethane	2.96	51	1072152	10.400	ppbv	99
4) Chloromethane	3.12	50	658696	10.802	ppbv	99
5) Vinyl Chloride	3.24	62	608995	10.474	ppbv	98
6) Bromomethane	3.46	94	321876	11.305	ppbv	98
7) Chloroethane	3.54	64	224256	10.958	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1360818	10.357	ppbv	97
9) Propene	2.99	41	522845	11.441	ppbv	97
10) Heptane	8.16	43	1386614	11.822	ppbv	100
11) Trichlorofluoromethane	3.94	101	1488771	10.341	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1020289	10.818	ppbv	99
13) Ethanol	3.59	45	109635	10.715	ppbv	95
14) Bromoethene	3.73	108	440296	11.857	ppbv	99
15) Acetone	3.84	43	1126873	8.957	ppbv	99
16) 1,3-Butadiene	3.31	39	576693	11.282	ppbv	99
17) tert-Butyl alcohol	4.29	59	1019729	12.700	ppbv	100
18) 1,1-Dichloroethene	4.29	96	464614	11.251	ppbv	98
19) Isopropyl Alcohol	3.96	45	852127	12.142	ppbv	100
20) Methylene Chloride	4.34	84	411083	9.039	ppbv	96
21) Allyl Chloride	4.41	41	787825	11.328	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	472570	11.473	ppbv	99
23) Vinyl Acetate	5.08	43	1845009	11.744	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1261804	10.822	ppbv	98
25) Ethyl Acetate	5.69	43	2304395	10.850	ppbv	99
26) Hexane	5.70	57	996496	11.008	ppbv	98
27) Carbon Disulfide	4.55	76	1151886	12.256	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1623599	11.851	ppbv	98
29) Chloroform	5.78	83	1558806	10.886	ppbv	96
30) Cyclohexane	7.17	84	826574	12.415	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	1073263	11.682	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1507802	10.828	ppbv	99
34) 2-Butanone	5.26	43	1551453	10.268	ppbv	98
35) Carbon Tetrachloride	7.05	117	1576330	9.790	ppbv	99
36) Benzene	6.92	78	1959305	11.047	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1283603	9.711	ppbv	98
38) Trichloroethene	7.88	130	736924	10.354	ppbv	92
39) 1,2-Dichloropropane	7.65	63	809548	10.600	ppbv	99
40) 1,4-Dioxane	7.87	88	306511	11.420	ppbv	97
41) Tetrahydrofuran	6.07	42	914041	10.900	ppbv	96
42) Bromodichloromethane	7.83	83	1696854	10.481	ppbv	99
43) Methyl Methacrylate	8.06	69	847991	11.560	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3422049	10.424	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	1101091	12.320	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1250022	12.174	ppbv	95
47) 1,1,2-Trichloroethane	9.53	97	815129	10.537	ppbv	98
48) Dibromochloromethane	10.36	129	1417097	11.167	ppbv	99
49) Bromoform	13.11	173	1305841	11.613	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2312834	10.692	ppbv	99
51) 2-Hexanone	10.19	43	1954268	11.021	ppbv	98
52) Tetrachloroethene	11.28	164	746168	10.733	ppbv	98
53) Toluene	9.86	91	2273216	11.614	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1235209	10.773	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	937937	9.987	ppbv	95
57) Chlorobenzene	12.21	112	1686563	9.920	ppbv	99
58) Ethyl Benzene	12.78	91	3095313	10.866	ppbv	98
59) m/p-Xylene	13.06	91	5047445m	20.450	ppbv	
60) o-Xylene	13.76	91	2525708	10.276	ppbv	100
61) Styrene	13.60	104	1919225	11.092	ppbv	99
62) Isopropylbenzene	14.74	105	3319456	10.231	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1779177	9.008	ppbv	100
64) n-propylbenzene	15.64	120	876351	10.525	ppbv	100
65) tert-Butylbenzene	16.82	119	2938037	10.217	ppbv	99
66) Benzyl Chloride	17.07	91	1416109	12.469	ppbv	99
67) sec-Butylbenzene	17.37	105	4119309	10.179	ppbv	99
69) p-Isopropyltoluene	17.73	119	3426377	10.386	ppbv	98
70) n-Butylbenzene	18.63	91	3665382	10.211	ppbv	100
71) 2-Chlorotoluene	15.53	91	2644907	10.514	ppbv	100
72) 4-Ethyltoluene	15.91	105	2954268	10.693	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2819360	10.299	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2911407	10.199	ppbv	99
75) 1,3-Dichlorobenzene	17.08	146	1700704	9.923	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1703011	10.172	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1651695	9.829	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1299091	9.346	ppbv	99
79) Naphthalene	22.30	128	2530562m	12.135	ppbv	
80) Naphthalene, 2-methyl-	25.04	142	816137	13.540	ppbv	98
81) 1,2,4-Trichlorobenzene	22.03	180	1527563	11.216	ppbv	99

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

