

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034225.D
 Acq On : 7 Oct 2019 16:19
 Operator : SY/AP
 Sample : VL1007ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1007ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:04:42 PM

Quant Time: Oct 09 03:03:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1097046	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1904069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2045923	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1762853	9.92	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1243113	7.671	ppbv	100
3) Chlorodifluoromethane	2.97	51	1341175	10.427	ppbv	99
4) Chloromethane	3.12	50	806246	10.666	ppbv	100
5) Vinyl Chloride	3.24	62	712103	10.308	ppbv	94
6) Bromomethane	3.46	94	349175	10.834	ppbv	95
7) Chloroethane	3.55	64	258892	10.722	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	1482691	10.367	ppbv	99
9) Propene	2.99	41	650687	10.253	ppbv	100
10) Heptane	8.17	43	1709574	10.336	ppbv	99
11) Trichlorofluoromethane	3.94	101	1596773	10.825	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1051714	10.895	ppbv	99
13) Ethanol	3.60	45	150443	9.790	ppbv	98
14) Bromoethene	3.73	108	441704	11.192	ppbv	98
15) Acetone	3.84	43	1351246	9.190	ppbv	100
16) 1,3-Butadiene	3.31	39	705282	10.991	ppbv	100
17) tert-Butyl alcohol	4.29	59	1188780	12.760	ppbv	100
18) 1,1-Dichloroethene	4.29	96	487496	11.579	ppbv	92
19) Isopropyl Alcohol	3.97	45	1047969	11.590	ppbv	100
20) Methylene Chloride	4.35	84	438690	10.348	ppbv	97
21) Allyl Chloride	4.42	41	936333	11.274	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	477123	11.326	ppbv	99
23) Vinyl Acetate	5.09	43	2247398	10.372	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1505641	10.320	ppbv	99
25) Ethyl Acetate	5.70	43	2777389	9.989	ppbv	99
26) Hexane	5.71	57	1198496	10.362	ppbv	98
27) Carbon Disulfide	4.56	76	1255627	11.771	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1865108	10.858	ppbv	99
29) Chloroform	5.78	83	1740772	10.533	ppbv	99
30) Cyclohexane	7.17	84	897264	10.745	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1264828	10.728	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1706856	10.708	ppbv	99
34) 2-Butanone	5.26	43	1939936	9.978	ppbv	99
35) Carbon Tetrachloride	7.06	117	1692098	10.697	ppbv	99
36) Benzene	6.93	78	2114234	10.054	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1570225	10.498	ppbv	99
38) Trichloroethene	7.88	130	714305	9.507	ppbv	98
39) 1,2-Dichloropropane	7.66	63	954799	10.105	ppbv	97
40) 1,4-Dioxane	7.87	88	338955m	11.085	ppbv	
41) Tetrahydrofuran	6.08	42	1139684	10.408	ppbv	99
42) Bromodichloromethane	7.84	83	1920573	10.699	ppbv	98
43) Methyl Methacrylate	8.06	69	952506	10.965	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3997206	9.874	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1248540	12.155	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1413417	11.439	ppbv	94
47) 1,1,2-Trichloroethane	9.54	97	863984	10.183	ppbv	98
48) Dibromochloromethane	10.37	129	1442362	10.726	ppbv	98
49) Bromoform	13.12	173	1183892	10.879	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2819736	9.966	ppbv	99
51) 2-Hexanone	10.19	43	2389512	10.063	ppbv	99
52) Tetrachloroethene	11.29	164	666216	9.589	ppbv	97
53) Toluene	9.87	91	2348832	10.220	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1295019	10.263	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.20	131	932354	10.218	ppbv	98
57) Chlorobenzene	12.22	112	1670306	9.377	ppbv	98
58) Ethyl Benzene	12.78	91	3224546	9.768	ppbv	100
59) m/p-Xylene	13.07	91	5248897m	19.197	ppbv	
60) o-Xylene	13.77	91	2660582	9.731	ppbv	99
61) Styrene	13.60	104	1930628	9.858	ppbv	99
62) Isopropylbenzene	14.75	105	3407284	9.627	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1921229	8.569	ppbv	100
64) n-propylbenzene	15.64	120	863568	9.644	ppbv	89
65) tert-Butylbenzene	16.82	119	2911627	9.415	ppbv	100
66) Benzyl Chloride	17.08	91	1413712	12.921	ppbv	99
67) sec-Butylbenzene	17.37	105	4213379	9.528	ppbv	99
69) p-Isopropyltoluene	17.73	119	3415678	9.539	ppbv	100
70) n-Butylbenzene	18.63	91	3868885	9.279	ppbv	100
71) 2-Chlorotoluene	15.54	91	2787224	9.638	ppbv	99
72) 4-Ethyltoluene	15.92	105	3022112	9.783	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2871946	9.624	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	2915442	9.201	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1562791	9.193	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1601373	9.198	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1573445	9.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1040335	9.128	ppbv	99
79) Naphthalene	22.31	128	2616650	9.380	ppbv	96
80) Naphthalene,2-methyl-	25.05	142	650542	5.015	ppbv	96
81) 1,2,4-Trichlorobenzene	22.04	180	1442774	9.337	ppbv	98

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

