

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034401.D
 Acq On : 25 Nov 2019 10:06
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 12/2/2019 9:19:29 AM

Quant Time: Nov 26 00:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	986058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2012207	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2111838m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1744387	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1920735	10.767	ppbv 98
3) Chlorodifluoromethane	2.96	51	1142668	9.288	ppbv 100
4) Chloromethane	3.11	50	691977	9.536	ppbv 99
5) Vinyl Chloride	3.23	62	637055	9.370	ppbv 92
6) Bromomethane	3.45	94	335589	9.810	ppbv 93
7) Chloroethane	3.54	64	244432	9.905	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1483881	9.263	ppbv 99
9) Propene	2.98	41	506555	9.274	ppbv 98
10) Heptane	8.16	43	1347362	9.559	ppbv 99
11) Trichlorofluoromethane	3.94	101	1682034	9.475	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1106273	9.383	ppbv 98
13) Ethanol	3.59	45	89854	5.906	ppbv 90
14) Bromoethene	3.73	108	472481	9.856	ppbv 100
15) Acetone	3.83	43	1225613	8.680	ppbv 100
16) 1,3-Butadiene	3.30	39	590914	9.607	ppbv 100
17) tert-Butyl alcohol	4.29	59	913425	7.696	ppbv 99
18) 1,1-Dichloroethene	4.28	96	507768	9.846	ppbv 99
19) Isopropyl Alcohol	3.96	45	708172	7.825	ppbv 99
20) Methylene Chloride	4.34	84	432575	8.640	ppbv 95
21) Allyl Chloride	4.41	41	861861	10.186	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	519670	9.996	ppbv 97
23) Vinyl Acetate	5.08	43	1837014	9.959	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1348080	9.514	ppbv 99
25) Ethyl Acetate	5.69	43	2351040	9.331	ppbv 99
26) Hexane	5.70	57	1009640	9.325	ppbv 100
27) Carbon Disulfide	4.55	76	1315267	11.153	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1722343	9.594	ppbv 100
29) Chloroform	5.77	83	1647812	9.398	ppbv 98
30) Cyclohexane	7.16	84	811000	9.908	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1099623	9.828	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1653107	10.056	ppbv 99
34) 2-Butanone	5.25	43	1568442	9.470	ppbv 99
35) Carbon Tetrachloride	7.04	117	1760928	10.178	ppbv 98
36) Benzene	6.92	78	1926706	9.579	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1431708	9.581	ppbv 100
38) Trichloroethene	7.87	130	757457	9.176	ppbv 99
39) 1,2-Dichloropropane	7.65	63	789669	10.190	ppbv 92
40) 1,4-Dioxane	7.86	88	267778	7.910	ppbv # 97
41) Tetrahydrofuran	6.06	42	903561	9.726	ppbv 98
42) Bromodichloromethane	7.83	83	1848637	9.892	ppbv 99
43) Methyl Methacrylate	8.05	69	832532	9.979	ppbv 99

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44) 2,2,4-Trimethylpentane	7.90	57	3413806	9.287	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1175996	10.991	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1284614	10.689	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	821923	9.535	ppbv	96
48) Dibromochloromethane	10.36	129	1550104	10.473	ppbv	100
49) Bromoform	13.10	173	1403624	10.624	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2331496	9.729	ppbv	99
51) 2-Hexanone	10.18	43	1975930	9.844	ppbv #	99
52) Tetrachloroethene	11.28	164	734492	8.439	ppbv	99
53) Toluene	9.85	91	2266031	9.918	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1263658	9.562	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.18	131	1021236	9.886	ppbv	97
57) Chlorobenzene	12.20	112	1723343	9.027	ppbv	95
58) Ethyl Benzene	12.76	91	3107591	9.482	ppbv	98
59) m/p-Xylene	13.05	91	5150116m	18.180	ppbv	
60) o-Xylene	13.75	91	2603785	9.296	ppbv	99
61) Styrene	13.59	104	1934124	9.575	ppbv	100
62) Isopropylbenzene	14.73	105	3408859	9.202	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1819895	8.644	ppbv	100
64) n-propylbenzene	15.62	120	892076m	9.273	ppbv	
65) tert-Butylbenzene	16.81	119	3014700	9.060	ppbv	100
66) Benzyl Chloride	17.06	91	1534130	11.984	ppbv	100
67) sec-Butylbenzene	17.36	105	4183345	8.987	ppbv	100
69) p-Isopropyltoluene	17.72	119	3504110	9.071	ppbv	100
70) n-Butylbenzene	18.62	91	3715935	8.940	ppbv	100
71) 2-Chlorotoluene	15.52	91	2685830	9.093	ppbv	100
72) 4-Ethyltoluene	15.90	105	3017563	9.324	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2893619	9.134	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2965846	8.813	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1701572	8.797	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1687085	8.982	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1651231	8.838	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1484397	9.248	ppbv	99
79) Naphthalene	22.29	128	2623663	8.994	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1511311	11.473	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1576156	8.795	ppbv	99

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

