

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050719\
 Data File : VL033677.D
 Acq On : 7 May 2019 10:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 08 03:18:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1017746	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2445612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2667251m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2033519	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1676153	7.022	ppbv 100
3) Chlorodifluoromethane	3.01	51	1215692	8.271	ppbv 99
4) Chloromethane	3.17	50	649348	8.498	ppbv 99
5) Vinyl Chloride	3.29	62	661720	8.907	ppbv 100
6) Bromomethane	3.51	94	422897	8.961	ppbv 95
7) Chloroethane	3.60	64	244111	9.051	ppbv 97
8) Dichlorotetrafluoroethane	3.22	85	1629770	8.295	ppbv 99
9) Propene	3.03	41	511137	9.122	ppbv 99
10) Heptane	8.24	43	1297605	9.383	ppbv 98
11) Trichlorofluoromethane	4.00	101	1916387	8.598	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1289940	8.608	ppbv 100
13) Ethanol	3.65	45	149755	8.904	ppbv 96
14) Bromoethene	3.79	108	545594	9.237	ppbv 99
15) Acetone	3.90	43	1251128	8.263	ppbv 97
16) 1,3-Butadiene	3.36	39	552122	8.503	ppbv 96
17) tert-Butyl alcohol	4.35	59	1142721	9.937	ppbv 100
18) 1,1-Dichloroethene	4.35	96	585484	9.050	ppbv 97
19) Isopropyl Alcohol	4.02	45	901535	9.692	ppbv # 98
20) Methylene Chloride	4.40	84	488238	8.493	ppbv 99
21) Allyl Chloride	4.47	41	848571	9.259	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	601256	9.258	ppbv 97
23) Vinyl Acetate	5.15	43	1986307	10.096	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1356555	9.115	ppbv 99
25) Ethyl Acetate	5.76	43	2327059	9.447	ppbv 100
26) Hexane	5.77	57	1023648	9.668	ppbv 100
27) Carbon Disulfide	4.62	76	1441271	9.951	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1782592	9.995	ppbv 100
29) Chloroform	5.84	83	1751935	9.202	ppbv 99
30) Cyclohexane	7.24	84	879387	9.889	ppbv 99
31) cis-1,2-Dichloroethene	5.63	61	1075543	10.210	ppbv 98
32) 1,1,1-Trichloroethane	6.62	97	1759695	8.951	ppbv 100
34) 2-Butanone	5.32	43	1547788	9.883	ppbv 98
35) Carbon Tetrachloride	7.13	117	1859032	9.249	ppbv 98
36) Benzene	7.00	78	2115921	9.649	ppbv 98
37) 1,2-Dichloroethane	6.41	62	1335302	8.727	ppbv 100
38) Trichloroethene	7.96	130	864747	10.750	ppbv 96
39) 1,2-Dichloropropane	7.73	63	793006	9.703	ppbv 99
40) 1,4-Dioxane	7.95	88	329040	10.073	ppbv 90
41) Tetrahydrofuran	6.14	42	871893	10.773	ppbv 99
42) Bromodichloromethane	7.91	83	1896579	9.600	ppbv 96
43) Methyl Methacrylate	8.13	69	865914	10.497	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3566398	9.511	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1202961	11.882	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1355446	10.727	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	906733	9.660	ppbv	98
48) Dibromochloromethane	10.44	129	1627377	10.228	ppbv	100
49) Bromoform	13.20	173	1441101	10.427	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	2324643	9.803	ppbv	100
51) 2-Hexanone	10.26	43	1918596	10.443	ppbv #	99
52) Tetrachloroethene	11.37	164	824223	10.609	ppbv	97
53) Toluene	9.94	91	2521582	10.642	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1448934	10.248	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	1102476	8.961	ppbv	100
57) Chlorobenzene	12.30	112	1935876	8.840	ppbv	99
58) Ethyl Benzene	12.86	91	3450929	9.921	ppbv	99
59) m/p-Xylene	13.15	91	5696971m	18.595	ppbv	
60) o-Xylene	13.85	91	2882464	9.297	ppbv	99
61) Styrene	13.68	104	2184990	10.583	ppbv	99
62) Isopropylbenzene	14.82	105	3918249	9.255	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1976101	8.757	ppbv	100
64) n-propylbenzene	15.72	120	999404	9.135	ppbv	98
65) tert-Butylbenzene	16.90	119	3556007	9.157	ppbv	99
66) Benzyl Chloride	17.15	91	1997858	11.309	ppbv	99
67) sec-Butylbenzene	17.45	105	4878859	9.005	ppbv	100
69) p-Isopropyltoluene	17.81	119	3956635	8.863	ppbv	100
70) n-Butylbenzene	18.71	91	4235652	8.947	ppbv	100
71) 2-Chlorotoluene	15.61	91	2961470	9.468	ppbv	100
72) 4-Ethyltoluene	16.00	105	3408728	9.353	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3235368	9.182	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3388157	8.650	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	1959914	8.284	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1962302	8.740	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1790186	8.168	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1405646	8.092	ppbv	100
79) Naphthalene	22.40	128	2789964	7.802	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1134223	8.390	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1548908	7.455	ppbv	98

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

