

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034601.D
 Acq On : 6 Feb 2020 14:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 07 07:48:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1072439	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2193797	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2387792m	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1989782	9.86	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1989773	8.424	ppbv 98
3) Chlorodifluoromethane	2.97	51	1193673	9.211	ppbv 99
4) Chloromethane	3.12	50	720848	9.092	ppbv 99
5) Vinyl Chloride	3.24	62	687990	9.084	ppbv 98
6) Bromomethane	3.46	94	379618	9.637	ppbv 97
7) Chloroethane	3.55	64	274941	9.762	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	1718163	9.306	ppbv 99
9) Propene	2.99	41	458520	9.088	ppbv 97
10) Heptane	8.17	43	1269190	9.996	ppbv 99
11) Trichlorofluoromethane	3.94	101	2057350	9.588	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1354190	9.673	ppbv 100
13) Ethanol	3.59	45	106573	7.886	ppbv 97
14) Bromoethene	3.73	108	546816	9.957	ppbv 100
15) Acetone	3.84	43	1405457	8.917	ppbv 99
16) 1,3-Butadiene	3.31	39	623453	9.961	ppbv 98
17) tert-Butyl alcohol	4.29	59	1223388	10.554	ppbv 99
18) 1,1-Dichloroethene	4.29	96	597092	10.103	ppbv 93
19) Isopropyl Alcohol	3.96	45	899311	9.777	ppbv # 99
20) Methylene Chloride	4.35	84	532221	8.868	ppbv 95
21) Allyl Chloride	4.41	41	1000059	10.216	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	631383	10.201	ppbv 93
23) Vinyl Acetate	5.09	43	1743789	9.697	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1407177	9.373	ppbv 98
25) Ethyl Acetate	5.70	43	2349322	9.207	ppbv 99
26) Hexane	5.71	57	1016147	9.507	ppbv 98
27) Carbon Disulfide	4.55	76	1560678	10.822	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1782414	9.779	ppbv 100
29) Chloroform	5.77	83	1760351	9.315	ppbv 99
30) Cyclohexane	7.16	84	814651	10.286	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1099835	9.904	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1867433	9.202	ppbv 100
34) 2-Butanone	5.26	43	1489633	9.352	ppbv 100
35) Carbon Tetrachloride	7.05	117	2031937	9.688	ppbv 100
36) Benzene	6.93	78	1896151	9.719	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1586797	9.749	ppbv 99
38) Trichloroethene	7.88	130	845058	10.276	ppbv 97
39) 1,2-Dichloropropane	7.65	63	781253	9.660	ppbv 99
40) 1,4-Dioxane	7.87	88	295917m	9.518	ppbv
41) Tetrahydrofuran	6.07	42	795971	9.579	ppbv 98
42) Bromodichloromethane	7.83	83	1971973	9.843	ppbv 100
43) Methyl Methacrylate	8.05	69	823895	10.500	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3417406	9.655	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1175114	11.437	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1280953	10.969	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	849996	9.704	ppbv	97
48) Dibromochloromethane	10.37	129	1675376	10.437	ppbv	99
49) Bromoform	13.11	173	1519147	10.780	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2257749	9.939	ppbv	99
51) 2-Hexanone	10.18	43	1856894	10.384	ppbv	99
52) Tetrachloroethene	11.28	164	756042	9.647	ppbv	98
53) Toluene	9.86	91	2254006	10.517	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1291757	9.841	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	1118660	9.489	ppbv	99
57) Chlorobenzene	12.21	112	1798840	9.155	ppbv	96
58) Ethyl Benzene	12.78	91	3151121m	9.862	ppbv	
59) m/p-Xylene	13.06	91	5314068m	18.814	ppbv	
60) o-Xylene	13.76	91	2729985	9.624	ppbv	100
61) Styrene	13.59	104	1958923	10.357	ppbv	99
62) Isopropylbenzene	14.74	105	3518520	9.572	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1899168	8.657	ppbv	99
64) n-propylbenzene	15.64	120	909434	9.616	ppbv	95
65) tert-Butylbenzene	16.82	119	3180171	9.549	ppbv	100
66) Benzyl Chloride	17.07	91	1566568	11.219	ppbv	100
67) sec-Butylbenzene	17.37	105	4282161	9.356	ppbv	99
69) p-Isopropyltoluene	17.73	119	3575929	9.623	ppbv	99
70) n-Butylbenzene	18.63	91	3750597	9.508	ppbv	99
71) 2-Chlorotoluene	15.53	91	2708764	9.708	ppbv	99
72) 4-Ethyltoluene	15.91	105	3056233	9.809	ppbv	100
73) 1,3,5-Trimethylbenzene	16.07	105	2956748	9.711	ppbv	100
74) 1,2,4-Trimethylbenzene	16.84	105	3129065	9.284	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1736386	8.947	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1705202	8.915	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1646132	8.829	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1480606	8.305	ppbv	99
79) Naphthalene	22.30	128	2610666	9.838	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1355254	13.276	ppbv	100
81) 1,2,4-Trichlorobenzene	22.03	180	1567314	9.581	ppbv	99

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

