

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032320\
 Data File : VL034929.D
 Acq On : 23 Mar 2020 13:57
 Operator : SY/AP
 Sample : VL0323ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Manual Integrations
 APPROVED

apatel
 3/25/2020 11:54:09 AM

Quant Time: Mar 24 02:25:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	999088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2174768	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2317262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1867248	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	874890	6.395	ppbv 99
3) Chlorodifluoromethane	2.94	51	1082444	9.699	ppbv 97
4) Chloromethane	3.10	50	637489	10.107	ppbv 96
5) Vinyl Chloride	3.21	62	609035	10.043	ppbv 93
6) Bromomethane	3.43	94	369792	10.475	ppbv 96
7) Chloroethane	3.52	64	222821	10.175	ppbv 98
8) Dichlorotetrafluoroethane	3.15	85	1376778	9.690	ppbv 94
9) Propene	2.97	41	487430	9.148	ppbv 100
10) Heptane	8.13	43	1357704	10.353	ppbv 99
11) Trichlorofluoromethane	3.92	101	1424689	9.788	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1011381	9.928	ppbv 93
13) Ethanol	3.57	45	111721	6.896	ppbv 98
14) Bromoethene	3.70	108	447759	10.177	ppbv 99
15) Acetone	3.82	43	1163080	8.982	ppbv 99
16) 1,3-Butadiene	3.29	39	568160	9.703	ppbv 99
17) tert-Butyl alcohol	4.26	59	854319	6.848	ppbv 99
18) 1,1-Dichloroethene	4.26	96	459584	10.188	ppbv 93
19) Isopropyl Alcohol	3.94	45	625298	7.647	ppbv # 42
20) Methylene Chloride	4.31	84	419900	10.256	ppbv 98
21) Allyl Chloride	4.38	41	797373	9.588	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	456542	9.975	ppbv 99
23) Vinyl Acetate	5.05	43	1794560	9.382	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1260114	9.827	ppbv 99
25) Ethyl Acetate	5.66	43	2195208	9.515	ppbv 99
26) Hexane	5.67	57	1002491	10.091	ppbv 96
27) Carbon Disulfide	4.52	76	1207335	10.710	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1462622	8.849	ppbv 99
29) Chloroform	5.74	83	1511607	9.973	ppbv 98
30) Cyclohexane	7.13	84	828798	9.999	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	987768	9.723	ppbv 100
32) 1,1,1-Trichloroethane	6.50	97	1455320	9.854	ppbv 98
34) 2-Butanone	5.22	43	1467388	10.153	ppbv 100
35) Carbon Tetrachloride	7.02	117	1506704	11.139	ppbv 98
36) Benzene	6.89	78	1976267	10.195	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1177706	10.775	ppbv 98
38) Trichloroethene	7.84	130	736018	9.997	ppbv 93
39) 1,2-Dichloropropane	7.62	63	785736	10.231	ppbv 96
40) 1,4-Dioxane	7.83	88	251301	8.664	ppbv # 87
41) Tetrahydrofuran	6.04	42	826930	10.574	ppbv 100
42) Bromodichloromethane	7.80	83	1620465	10.878	ppbv 99
43) Methyl Methacrylate	8.02	69	893082	10.936	ppbv 97

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44) 2,2,4-Trimethylpentane	7.87	57	3438235	10.496	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	996764	10.389	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1183201	10.378	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	824003	10.454	ppbv	96
48) Dibromochloromethane	10.32	129	1356441	10.627	ppbv	99
49) Bromoform	13.07	173	1217291	10.696	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2233988	10.738	ppbv	99
51) 2-Hexanone	10.15	43	1834872	10.852	ppbv #	100
52) Tetrachloroethene	11.24	164	697266	9.092	ppbv	97
53) Toluene	9.82	91	2308336	10.312	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1238544	10.439	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1024190	9.839	ppbv	97
57) Chlorobenzene	12.17	112	1746145	9.631	ppbv	98
58) Ethyl Benzene	12.73	91	3146179	10.026	ppbv	97
59) m/p-Xylene	13.02	91	5111938m	19.444	ppbv	
60) o-Xylene	13.72	91	2571610	10.018	ppbv	99
61) Styrene	13.55	104	1859840	10.324	ppbv	98
62) Isopropylbenzene	14.69	105	3791389	9.768	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1856695	10.654	ppbv	99
64) n-propylbenzene	15.59	120	983980	9.740	ppbv	89
65) tert-Butylbenzene	16.78	119	3273653	9.648	ppbv	97
66) Benzyl Chloride	17.02	91	1310121	9.260	ppbv	96
67) sec-Butylbenzene	17.33	105	4742553	10.080	ppbv	99
69) p-Isopropyltoluene	17.69	119	3945582	10.001	ppbv	98
70) n-Butylbenzene	18.58	91	4228505	10.505	ppbv	99
71) 2-Chlorotoluene	15.48	91	2934483	9.983	ppbv	99
72) 4-Ethyltoluene	15.87	105	3051518	10.066	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2902664	10.228	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	2951286	10.094	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1728781	9.807	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1719017	9.772	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1666194	9.751	ppbv	97
78) Hexachloro-1,3-Butadiene	23.42	225	1375335	9.636	ppbv	99
79) Naphthalene	22.25	128	2813300	12.339	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1109535	18.621	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1609789	11.113	ppbv	100

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

