

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035080.D
 Acq On : 22 May 2020 12:02
 Operator : SY/AP
 Sample : VL0522ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Quant Time: May 23 00:33:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1099554	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2566963	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2609461	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2102307	9.95	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.00	85	1183171	7.582	ppbv	100
3) Chlorodifluoromethane	2.94	51	1271149	10.126	ppbv	100
4) Chloromethane	3.09	50	719148	9.996	ppbv	97
5) Vinyl Chloride	3.21	62	708989	10.102	ppbv	100
6) Bromomethane	3.43	94	428384	10.223	ppbv	87
7) Chloroethane	3.51	64	263685	10.461	ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	1622497	10.046	ppbv	99
9) Propene	2.96	41	523175	9.604	ppbv	97
10) Heptane	8.12	43	1484990	10.881	ppbv	100
11) Trichlorofluoromethane	3.91	101	1672102	10.391	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1176408	10.267	ppbv	100
13) Ethanol	3.56	45	166918	9.286	ppbv	98
14) Bromoethene	3.70	108	521723	11.019	ppbv	97
15) Acetone	3.81	43	1349754	9.285	ppbv	100
16) 1,3-Butadiene	3.28	39	655439	10.477	ppbv	100
17) tert-Butyl alcohol	4.25	59	1280399	9.900	ppbv	100
18) 1,1-Dichloroethene	4.25	96	550756	11.080	ppbv	97
19) Isopropyl Alcohol	3.92	45	974306	10.050	ppbv	# 98
20) Methylene Chloride	4.31	84	483794	10.054	ppbv	95
21) Allyl Chloride	4.38	41	899531	10.955	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	544726	11.063	ppbv	93
23) Vinyl Acetate	5.04	43	1968303	10.678	ppbv	100
24) 1,1-Dichloroethane	4.98	63	1450012	10.213	ppbv	99
25) Ethyl Acetate	5.65	43	2538422	10.396	ppbv	100
26) Hexane	5.66	57	1129853	10.673	ppbv	99
27) Carbon Disulfide	4.51	76	1387376	11.120	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1649856	10.234	ppbv	100
29) Chloroform	5.73	83	1756072	10.139	ppbv	95
30) Cyclohexane	7.12	84	943390	11.548	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1132285	10.963	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1677571	10.725	ppbv	100
34) 2-Butanone	5.22	43	1631149	10.224	ppbv	99
35) Carbon Tetrachloride	7.01	117	1738200	10.728	ppbv	98
36) Benzene	6.88	78	2241812	10.593	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1368480	10.482	ppbv	100
38) Trichloroethene	7.83	130	866384	10.567	ppbv	98
39) 1,2-Dichloropropane	7.61	63	889501	10.484	ppbv	98
40) 1,4-Dioxane	7.83	88	349219	10.127	ppbv	95
41) Tetrahydrofuran	6.03	42	909001	10.822	ppbv	97
42) Bromodichloromethane	7.79	83	1869547	10.618	ppbv	98
43) Methyl Methacrylate	8.01	69	1042415	11.665	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3893628	10.348	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1124821	12.472	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1361557	12.297	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	937639	10.473	ppbv	95
48) Dibromochloromethane	10.31	129	1532747	11.133	ppbv	99
49) Bromoform	13.06	173	1338340	11.297	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2479525	10.899	ppbv	100
51) 2-Hexanone	10.14	43	2039425	11.461	ppbv	99
52) Tetrachloroethene	11.23	164	793514	10.545	ppbv	97
53) Toluene	9.81	91	2600589	11.592	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1419139	10.794	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1157641	9.837	ppbv	96
57) Chlorobenzene	12.16	112	1949377	9.430	ppbv	99
58) Ethyl Benzene	12.73	91	3496668	10.836	ppbv	99
59) m/p-Xylene	13.01	91	5764847m	20.305	ppbv	
60) o-Xylene	13.71	91	2876495	10.268	ppbv	100
61) Styrene	13.55	104	2031548	11.459	ppbv	100
62) Isopropylbenzene	14.69	105	4216224	10.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2015099	9.138	ppbv	99
64) n-propylbenzene	15.59	120	1107841	10.326	ppbv	99
65) tert-Butylbenzene	16.77	119	3626541	9.997	ppbv	100
66) Benzyl Chloride	17.02	91	1384247	11.240	ppbv	97
67) sec-Butylbenzene	17.32	105	5186843	10.016	ppbv	100
69) p-Isopropyltoluene	17.68	119	4260044	10.168	ppbv	100
70) n-Butylbenzene	18.58	91	4505295	10.104	ppbv	99
71) 2-Chlorotoluene	15.47	91	3293427	10.431	ppbv	99
72) 4-Ethyltoluene	15.86	105	3330559	10.656	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3100247	10.193	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3219539	9.697	ppbv #	87
75) 1,3-Dichlorobenzene	17.02	146	1841105m	9.444	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	1825909	9.857	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1753684	9.547	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1476774	9.431	ppbv	100
79) Naphthalene	22.24	128	3186205	12.323	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1426174	22.440	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	1669016	10.645	ppbv	100

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

