

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035324.D
 Acq On : 3 Aug 2020 21:06
 Operator : SY/AP
 Sample : VL0803ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:17 PM

Quant Time: Aug 04 06:10:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1493113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3644211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3509635m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3029226	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1570811	8.041	ppbv	98
3) Chlorodifluoromethane	2.93	51	1446313	8.429	ppbv	98
4) Chloromethane	3.09	50	820321	8.372	ppbv	99
5) Vinyl Chloride	3.21	62	840577	8.811	ppbv	99
6) Bromomethane	3.43	94	540454	8.612	ppbv	92
7) Chloroethane	3.51	64	319479	8.424	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1978798	8.397	ppbv	98
9) Propene	2.96	41	536636	8.655	ppbv	99
10) Heptane	8.12	43	1583166	9.949	ppbv	100
11) Trichlorofluoromethane	3.91	101	2143476	8.401	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1500592	8.437	ppbv	99
13) Ethanol	3.56	45	139475	6.089	ppbv	99
14) Bromoethene	3.70	108	662011	9.039	ppbv	99
15) Acetone	3.81	43	1691824	7.836	ppbv	99
16) 1,3-Butadiene	3.28	39	740484	9.196	ppbv	100
17) tert-Butyl alcohol	4.25	59	1690673	8.597	ppbv	100
18) 1,1-Dichloroethene	4.25	96	694473	8.674	ppbv	99
19) Isopropyl Alcohol	3.93	45	1072389	7.907	ppbv #	98
20) Methylene Chloride	4.31	84	623962	6.327	ppbv	92
21) Allyl Chloride	4.38	41	1097618	8.977	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	677946	8.535	ppbv	96
23) Vinyl Acetate	5.05	43	1989308	9.298	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1701111	8.545	ppbv	99
25) Ethyl Acetate	5.65	43	2875326	8.810	ppbv	99
26) Hexane	5.66	57	1277718	8.744	ppbv	99
27) Carbon Disulfide	4.52	76	1793946	9.124	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2033944	9.263	ppbv	99
29) Chloroform	5.74	83	2138235	8.651	ppbv	98
30) Cyclohexane	7.12	84	1089779	9.943	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1279847	9.494	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2146498	8.981	ppbv	99
34) 2-Butanone	5.22	43	1745522	9.098	ppbv	99
35) Carbon Tetrachloride	7.01	117	2204128	9.353	ppbv	99
36) Benzene	6.89	78	2541393	9.512	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1676510	9.263	ppbv	99
38) Trichloroethene	7.84	130	1068739	10.886	ppbv	96
39) 1,2-Dichloropropane	7.61	63	987103	9.375	ppbv	99
40) 1,4-Dioxane	7.83	88	370450	8.101	ppbv #	1
41) Tetrahydrofuran	6.03	42	925655	9.781	ppbv	97
42) Bromodichloromethane	7.79	83	2278028	9.225	ppbv	96
43) Methyl Methacrylate	8.01	69	1152157	10.322	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4340399	9.483	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1313899	11.027	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1538370	10.784	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1119755m	9.163	ppbv	
48) Dibromochloromethane	10.32	129	1928307	9.698	ppbv	100
49) Bromoform	13.07	173	1758456	10.153	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2654021	9.794	ppbv	99
51) 2-Hexanone	10.14	43	2161679	10.310	ppbv	98
52) Tetrachloroethene	11.24	164	963695	10.239	ppbv	98
53) Toluene	9.82	91	3002533	10.687	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1724906	9.535	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1503809	9.130	ppbv	96
57) Chlorobenzene	12.17	112	2418542	9.004	ppbv	96
58) Ethyl Benzene	12.73	91	4075705	10.599	ppbv	97
59) m/p-Xylene	13.02	91	6968785m	19.641	ppbv	
60) o-Xylene	13.72	91	3538570	10.088	ppbv	99
61) Styrene	13.55	104	2432755	11.280	ppbv	99
62) Isopropylbenzene	14.70	105	5162133	9.756	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2612216	9.494	ppbv	100
64) n-propylbenzene	15.59	120	1414907	10.222	ppbv	100
65) tert-Butylbenzene	16.78	119	4727004	9.976	ppbv	99
66) Benzyl Chloride	17.03	91	1892683	10.332	ppbv	100
67) sec-Butylbenzene	17.33	105	6620307	9.882	ppbv	99
69) p-Isopropyltoluene	17.69	119	5496331	9.917	ppbv	100
70) n-Butylbenzene	18.58	91	5726242	9.604	ppbv	100
71) 2-Chlorotoluene	15.49	91	4033342	10.213	ppbv	99
72) 4-Ethyltoluene	15.87	105	4141869	10.465	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3921338	10.115	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4175603	9.394	ppbv #	92
75) 1,3-Dichlorobenzene	17.03	146	2428190	8.782	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2403034	9.181	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2337593	9.167	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1721205	8.313	ppbv	99
79) Naphthalene	22.25	128	3550827	10.093	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1142085	11.056	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2002988	9.359	ppbv	99

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

