

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035910.D
 Acq On : 12 Nov 2020 11:51
 Operator : SY/AP
 Sample : VL1112ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:28:00 PM

Quant Time: Nov 13 01:07:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1122399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4149480	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4157757m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3011635	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2001908	9.474	ppbv	99
3) Chlorodifluoromethane	2.98	51	1277221	9.502	ppbv	99
4) Chloromethane	3.13	50	626819	9.599	ppbv	99
5) Vinyl Chloride	3.25	62	783092	9.408	ppbv	100
6) Bromomethane	3.47	94	639978	9.560	ppbv	100
7) Chloroethane	3.55	64	288550	9.850	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2245164	9.284	ppbv	97
9) Propene	3.00	41	456216	9.273	ppbv	95
10) Heptane	8.13	43	1402324	10.320	ppbv	99
11) Trichlorofluoromethane	3.94	101	2668020	10.055	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1956922	9.906	ppbv	100
13) Ethanol	3.60	45	81133	7.602	ppbv	95
14) Bromoethene	3.73	108	818545	9.003	ppbv	99
15) Acetone	3.84	43	1124612	9.372	ppbv	99
16) 1,3-Butadiene	3.32	39	512845	9.927	ppbv	97
17) tert-Butyl alcohol	4.29	59	1406824	8.846	ppbv	100
18) 1,1-Dichloroethene	4.29	96	886415	9.772	ppbv	97
19) Isopropyl Alcohol	3.97	45	622128	8.437	ppbv #	97
20) Methylene Chloride	4.34	84	711262	8.420	ppbv	99
21) Allyl Chloride	4.41	41	636458	9.808	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	915203	9.953	ppbv	98
23) Vinyl Acetate	5.07	43	1575072	9.364	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1565595	9.770	ppbv	100
25) Ethyl Acetate	5.68	43	2369118	10.022	ppbv	99
26) Hexane	5.69	57	1230651	9.440	ppbv	97
27) Carbon Disulfide	4.55	76	1935448	9.908	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2112184	9.022	ppbv	99
29) Chloroform	5.75	83	2442437	9.532	ppbv	98
30) Cyclohexane	7.13	84	1279660	9.012	ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	1296004	9.663	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2363888	8.841	ppbv	98
34) 2-Butanone	5.24	43	1489557	11.061	ppbv	97
35) Carbon Tetrachloride	7.02	117	2386094	10.762	ppbv	98
36) Benzene	6.89	78	3048686	9.883	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1551920	11.105	ppbv	98
38) Trichloroethene	7.84	130	1424973	9.457	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1074020	10.341	ppbv	98
40) 1,4-Dioxane	7.83	88	458737	9.319	ppbv	77
41) Tetrahydrofuran	6.05	42	886146	11.582	ppbv	96
42) Bromodichloromethane	7.79	83	2515425	10.667	ppbv	97
43) Methyl Methacrylate	8.02	69	1266376	10.762	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4256869	10.428	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1358543	10.891	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1693566	10.721	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1429606	10.102	ppbv	99
48) Dibromochloromethane	10.31	129	2361398	10.922	ppbv	100
49) Bromoform	13.05	173	2037127	11.166	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2369849	11.508	ppbv	98
51) 2-Hexanone	10.14	43	1956510	11.827	ppbv	98
52) Tetrachloroethene	11.23	164	1321158	9.040	ppbv	97
53) Toluene	9.81	91	3721691	9.998	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2179581	10.127	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1837795	9.848	ppbv	98
57) Chlorobenzene	12.15	112	3072270	9.293	ppbv	99
58) Ethyl Benzene	12.72	91	4913022	9.702	ppbv	100
59) m/p-Xylene	13.00	91	8434150m	19.686	ppbv	
60) o-Xylene	13.70	91	4121470	9.889	ppbv	99
61) Styrene	13.54	104	3106000	10.171	ppbv	99
62) Isopropylbenzene	14.68	105	6198723	9.463	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3042541	9.422	ppbv	99
64) n-propylbenzene	15.57	120	1850441	9.773	ppbv	97
65) tert-Butylbenzene	16.75	119	5739626	9.626	ppbv	99
66) Benzyl Chloride	17.00	91	2094720	10.629	ppbv	99
67) sec-Butylbenzene	17.30	105	7783987	9.687	ppbv	100
69) p-Isopropyltoluene	17.66	119	6595022	9.946	ppbv	99
70) n-Butylbenzene	18.56	91	6663855	10.436	ppbv	99
71) 2-Chlorotoluene	15.46	91	4771051	9.957	ppbv	98
72) 4-Ethyltoluene	15.85	105	5040358	9.972	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4708741	10.179	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4961289	10.009	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3102573	9.831	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3074966	10.100	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3058085	9.940	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1767596	12.314	ppbv	99
79) Naphthalene	22.21	128	4472430	12.944	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	909486	16.152	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2299156	11.910	ppbv	99

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

