

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036959.D
 Acq On : 18 May 2021 8:56
 Operator : SY/AP
 Sample : VL0518ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0518ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:31 PM

Quant Time: May 19 13:00:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1299137	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3856705	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3629099m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2830532	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1950661	8.851	ppbv	98
3) Chlorodifluoromethane	2.97	51	2155003	9.054	ppbv	99
4) Chloromethane	3.12	50	776833	9.592	ppbv	100
5) Vinyl Chloride	3.24	62	803343	9.075	ppbv	98
6) Bromomethane	3.45	94	465770	9.985	ppbv	99
7) Chloroethane	3.54	64	281163	9.781	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1914502	9.252	ppbv	100
9) Propene	2.99	41	769656	9.031	ppbv	99
10) Heptane	8.10	43	1932743	9.100	ppbv	99
11) Trichlorofluoromethane	3.93	101	1915446	9.390	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1343434	9.246	ppbv	98
13) Ethanol	3.59	45	89512m	7.872	ppbv	
14) Bromoethene	3.72	108	607042	9.485	ppbv	100
15) Acetone	3.83	43	1012029	7.605	ppbv	99
16) 1,3-Butadiene	3.31	39	776028	9.387	ppbv	100
17) tert-Butyl alcohol	4.27	59	1197927	9.828	ppbv	99
18) 1,1-Dichloroethene	4.27	96	624539	9.295	ppbv	97
19) Isopropyl Alcohol	3.95	45	684925m	9.575	ppbv	
20) Methylene Chloride	4.32	84	535358	7.505	ppbv	99
21) Allyl Chloride	4.39	41	942311	9.387	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	623207	9.678	ppbv	97
23) Vinyl Acetate	5.05	43	2048833	9.701	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1403690	9.233	ppbv	99
25) Ethyl Acetate	5.65	43	2911951	9.107	ppbv	100
26) Hexane	5.66	57	1434044	8.779	ppbv	99
27) Carbon Disulfide	4.53	76	1580087	9.598	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1735718	8.865	ppbv	100
29) Chloroform	5.73	83	2152330	9.326	ppbv	98
30) Cyclohexane	7.10	84	1260800	9.083	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1409181	9.622	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2217567	8.949	ppbv	100
34) 2-Butanone	5.22	43	1389137	9.892	ppbv	99
35) Carbon Tetrachloride	6.99	117	2278721	8.892	ppbv	98
36) Benzene	6.86	78	3041990	9.157	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1563612	9.494	ppbv	99
38) Trichloroethene	7.81	130	1200447	8.447	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1163934	9.095	ppbv	100
40) 1,4-Dioxane	7.81	88	292457	9.679	ppbv #	100
41) Tetrahydrofuran	6.03	42	749060	9.365	ppbv	99
42) Bromodichloromethane	7.76	83	2373498	9.526	ppbv	99
43) Methyl Methacrylate	7.99	69	1093490	9.550	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4944260	8.675	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1159946	13.260	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1450061	12.324	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1247327	9.313	ppbv	98
48) Dibromochloromethane	10.28	129	2157902	9.950	ppbv	100
49) Bromoform	13.01	173	1834031	10.240	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2146332	9.262	ppbv	100
51) 2-Hexanone	10.11	43	1123875	9.174	ppbv #	100
52) Tetrachloroethene	11.19	164	1195532	9.050	ppbv	97
53) Toluene	9.78	91	3609957	9.133	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1834223	9.633	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1423383	9.321	ppbv	99
57) Chlorobenzene	12.12	112	2677514	9.515	ppbv	99
58) Ethyl Benzene	12.68	91	4745208	9.264	ppbv	99
59) m/p-Xylene	12.97	91	7787605m	18.394	ppbv	
60) o-Xylene	13.66	91	3692242	9.144	ppbv	100
61) Styrene	13.50	104	2276490	10.007	ppbv	99
62) Isopropylbenzene	14.64	105	5212680	8.982	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2574072	8.535	ppbv	100
64) n-propylbenzene	15.53	120	1430530	9.554	ppbv	100
65) tert-Butylbenzene	16.72	119	4644248	8.869	ppbv	99
66) Benzyl Chloride	16.96	91	351521m	12.098	ppbv	
67) sec-Butylbenzene	17.27	105	6344591	8.881	ppbv	100
69) p-Isopropyltoluene	17.62	119	5497499	8.950	ppbv	100
70) n-Butylbenzene	18.52	91	5337102	9.147	ppbv	99
71) 2-Chlorotoluene	15.42	91	3913233	9.336	ppbv	99
72) 4-Ethyltoluene	15.81	105	4571648	9.539	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4117103	9.148	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	4244211	9.121	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2665546	9.380	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2586203	9.002	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2601903	9.138	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1882096	8.220	ppbv	100
79) Naphthalene	22.16	128	3928981	10.761	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1150798	14.494	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2228450	10.012	ppbv	98

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

