

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037060.D
 Acq On : 25 May 2021 14:37
 Operator : SY/AP
 Sample : M2262-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:34 AM

Quant Time: May 26 11:54:58 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	5.65	49	1093051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3298035	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2858503	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2027151	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	31506	0.170	ppbv	94
3) Chlorodifluoromethane	2.97	51	30737	0.153	ppbv	92
4) Chloromethane	3.12	50	9073	0.133	ppbv #	77
5) Vinyl Chloride	3.25	62	7045m	0.095	ppbv	
6) Bromomethane	3.45	94	4633m	0.118	ppbv	
7) Chloroethane	3.54	64	2420	0.100	ppbv #	63
8) Dichlorotetrafluoroethane	3.17	85	25116	0.144	ppbv	91
9) Propene	2.99	41	15091m	0.210	ppbv	
10) Heptane	8.12	43	16884m	0.094	ppbv	
11) Trichlorofluoromethane	3.93	101	23505m	0.137	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	17287m	0.141	ppbv	
14) Bromoethene	3.73	108	5587m	0.104	ppbv	
15) Acetone	3.86	43	33767m	0.302	ppbv	
16) 1,3-Butadiene	3.30	39	10800m	0.155	ppbv	
17) tert-Butyl alcohol	4.33	59	14145m	0.138	ppbv	
18) 1,1-Dichloroethene	4.27	96	8387m	0.148	ppbv	
20) Methylene Chloride	4.33	84	32061m	0.534	ppbv	
21) Allyl Chloride	4.39	41	10197m	0.121	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	9413m	0.174	ppbv	
24) 1,1-Dichloroethane	4.99	63	15304m	0.120	ppbv	
25) Ethyl Acetate	5.68	43	36807m	0.137	ppbv	
26) Hexane	5.67	57	24368m	0.177	ppbv	
27) Carbon Disulfide	4.54	76	10998m	0.079	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	15098m	0.092	ppbv	
29) Chloroform	5.73	83	29885m	0.154	ppbv	
30) Cyclohexane	7.11	84	14328m	0.123	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	12963m	0.105	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	23713m	0.114	ppbv	
34) 2-Butanone	5.17	43	22452m	0.187	ppbv	
35) Carbon Tetrachloride	6.99	117	22455m	0.102	ppbv	
36) Benzene	6.87	78	33366m	0.117	ppbv	
37) 1,2-Dichloroethane	6.29	62	16462	0.117	ppbv #	80
38) Trichloroethene	7.82	130	15204m	0.125	ppbv	
39) 1,2-Dichloropropane	7.60	63	13909m	0.127	ppbv	
40) 1,4-Dioxane	7.86	88	2877m	0.111	ppbv	
41) Tetrahydrofuran	6.08	42	6238m	0.091	ppbv	
42) Bromodichloromethane	7.77	83	19914m	0.093	ppbv	
43) Methyl Methacrylate	8.01	69	8446m	0.086	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	49799	0.102	ppbv #	86
45) t-1,3-Dichloropropene	9.26	75	3925m	0.052	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	8254m	0.082	ppbv	

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QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.46	97	16477m	0.144	ppbv	
48) Dibromochloromethane	10.29	129	12439m	0.067	ppbv	
49) Bromoform	13.02	173	9007m	0.059	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	21189m	0.107	ppbv	
51) 2-Hexanone	10.17	43	8067m	0.077	ppbv	
52) Tetrachloroethene	11.21	164	14929m	0.132	ppbv	
53) Toluene	9.79	91	35010m	0.104	ppbv	
54) 1,2-Dibromoethane	10.59	107	16918m	0.104	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	8623	0.072	ppbv #	5
57) Chlorobenzene	12.12	112	32913m	0.148	ppbv	
58) Ethyl Benzene	12.70	91	43498m	0.108	ppbv	
59) m/p-Xylene	12.98	91	73233m	0.220	ppbv	
60) o-Xylene	13.67	91	32744	0.103	ppbv	96
61) Styrene	13.52	104	15481m	0.086	ppbv	
62) Isopropylbenzene	14.65	105	52190m	0.114	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	26615m	0.112	ppbv	
64) n-propylbenzene	15.55	120	12139m	0.103	ppbv	
65) tert-Butylbenzene	16.73	119	45512m	0.110	ppbv	
66) Benzyl Chloride	16.98	91	2543m	0.111	ppbv	
67) sec-Butylbenzene	17.28	105	60903m	0.108	ppbv	
69) p-Isopropyltoluene	17.64	119	50259m	0.104	ppbv	
70) n-Butylbenzene	18.54	91	43447m	0.095	ppbv	
71) 2-Chlorotoluene	15.44	91	36863m	0.112	ppbv	
72) 4-Ethyltoluene	15.83	105	37318m	0.099	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	37930m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	41232m	0.112	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	28678m	0.128	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	30220m	0.134	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	27994m	0.125	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	27514m	0.153	ppbv	
79) Naphthalene	22.20	128	14322m	0.050	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	13639m	0.078	ppbv	

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

