

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037489.D
 Acq On : 18 Aug 2021 13:35
 Operator : SY/AP
 Sample : M2940-15 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:52 PM

Quant Time: Aug 19 02:13:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1319802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4002000	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3395104	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2397204	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	33712m	0.159	ppbv	
3) Chlorodifluoromethane	2.99	51	32583	0.129	ppbv	93
4) Chloromethane	3.14	50	14300m	0.158	ppbv	
5) Vinyl Chloride	3.25	62	10030	0.108	ppbv #	87
6) Bromomethane	3.47	94	6952m	0.137	ppbv	
7) Chloroethane	3.55	64	5018m	0.159	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	27155	0.124	ppbv	98
9) Propene	3.01	41	19023m	0.210	ppbv	
10) Heptane	8.10	43	19189m	0.092	ppbv	
11) Trichlorofluoromethane	3.94	101	28447m	0.143	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	22293m	0.153	ppbv	
13) Ethanol	3.63	45	3239m	0.368	ppbv	
14) Bromoethene	3.74	108	7146	0.108	ppbv #	61
15) Acetone	3.88	43	39612m	0.295	ppbv	
16) 1,3-Butadiene	3.32	39	12527m	0.145	ppbv	
17) tert-Butyl alcohol	4.34	59	17151m	0.140	ppbv	
18) 1,1-Dichloroethene	4.28	96	8348m	0.126	ppbv	
19) Isopropyl Alcohol	4.00	45	12440m	0.162	ppbv	
20) Methylene Chloride	4.34	84	15723m	0.234	ppbv	
21) Allyl Chloride	4.40	41	13606m	0.125	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	8237m	0.125	ppbv	
23) Vinyl Acetate	5.09	43	23779m	0.120	ppbv	
24) 1,1-Dichloroethane	5.01	63	18734m	0.130	ppbv	
25) Ethyl Acetate	5.68	43	38234m	0.112	ppbv	
26) Hexane	5.68	57	20566m	0.123	ppbv	
27) Carbon Disulfide	4.54	76	15324m	0.103	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	16847m	0.105	ppbv	
29) Chloroform	5.74	83	28994	0.123	ppbv	99
30) Cyclohexane	7.13	84	24849m	0.179	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	16641m	0.110	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	26591m	0.115	ppbv	
34) 2-Butanone	5.27	43	30714m	0.188	ppbv	
35) Carbon Tetrachloride	7.01	117	26278m	0.111	ppbv	
36) Benzene	6.88	78	34655m	0.103	ppbv	
37) 1,2-Dichloroethane	6.30	62	18247m	0.109	ppbv	
38) Trichloroethene	7.82	130	14904m	0.108	ppbv	
39) 1,2-Dichloropropane	7.61	63	19425m	0.150	ppbv	
40) 1,4-Dioxane	7.88	88	6286m	0.198	ppbv	
41) Tetrahydrofuran	6.09	42	7871m	0.100	ppbv	
42) Bromodichloromethane	7.78	83	24348m	0.100	ppbv	
43) Methyl Methacrylate	8.02	69	9234m	0.079	ppbv	

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44) 2,2,4-Trimethylpentane	7.86	57	57449m	0.101	ppbv	
45) t-1,3-Dichloropropene	9.26	75	6642m	0.075	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	9819m	0.080	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	16258m	0.116	ppbv	
48) Dibromochloromethane	10.28	129	16235m	0.081	ppbv	
49) Bromoform	13.02	173	11858m	0.075	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	21662m	0.102	ppbv	
51) 2-Hexanone	10.16	43	9809m	0.100	ppbv	
52) Tetrachloroethene	11.22	164	16155m	0.117	ppbv	
53) Toluene	9.78	91	33253m	0.087	ppbv	
54) 1,2-Dibromoethane	10.60	107	23281m	0.119	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	16406m	0.116	ppbv	
57) Chlorobenzene	12.13	112	34224m	0.121	ppbv	
58) Ethyl Benzene	12.69	91	39452m	0.084	ppbv	
59) m/p-Xylene	12.99	91	68926m	0.169	ppbv	
60) o-Xylene	13.67	91	38880m	0.102	ppbv	
61) Styrene	13.52	104	12697m	0.064	ppbv	
62) Isopropylbenzene	14.65	105	59289m	0.110	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	34596m	0.122	ppbv	
64) n-propylbenzene	15.55	120	12992m	0.095	ppbv	
65) tert-Butylbenzene	16.73	119	44483m	0.091	ppbv	
66) Benzyl Chloride	16.98	91	5287m	0.239	ppbv	
67) sec-Butylbenzene	17.28	105	67917m	0.099	ppbv	
69) p-Isopropyltoluene	17.64	119	42406m	0.076	ppbv	
70) n-Butylbenzene	18.53	91	41676m	0.078	ppbv	
71) 2-Chlorotoluene	15.43	91	34753m	0.088	ppbv	
72) 4-Ethyltoluene	15.82	105	36413m	0.080	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	36016m	0.085	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	35604m	0.079	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	31784m	0.118	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	31334m	0.115	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	28635m	0.108	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	27547m	0.125	ppbv	
79) Naphthalene	22.19	128	15700m	0.052	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	3752m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	15160m	0.080	ppbv	

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

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