

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036964.D
 Acq On : 18 May 2021 12:01
 Operator : SY/AP
 Sample : M2262-13 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:55:02 PM

Quant Time: May 19 13:04:55 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	1219160	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3652670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3444027	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2531804	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	137134	0.663	ppbv	97
3) Chlorodifluoromethane	2.97	51	120143	0.538	ppbv	98
4) Chloromethane	3.12	50	39721	0.523	ppbv	97
5) Vinyl Chloride	3.24	62	40681	0.490	ppbv	94
6) Bromomethane	3.45	94	21998m	0.503	ppbv	
7) Chloroethane	3.54	64	14702m	0.545	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	100862	0.519	ppbv	95
9) Propene	2.99	41	45662	0.571	ppbv	100
10) Heptane	8.10	43	102242m	0.513	ppbv	
11) Trichlorofluoromethane	3.93	101	96663	0.505	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	70916	0.520	ppbv	98
13) Ethanol	3.62	45	4999m	0.468	ppbv	
14) Bromoethene	3.73	108	28908m	0.481	ppbv	
15) Acetone	3.86	43	61763m	0.495	ppbv	
16) 1,3-Butadiene	3.31	39	36207	0.467	ppbv	94
17) tert-Butyl alcohol	4.31	59	57281m	0.501	ppbv	
18) 1,1-Dichloroethene	4.27	96	29875	0.474	ppbv	91
19) Isopropyl Alcohol	3.99	45	38208m	0.569	ppbv	
20) Methylene Chloride	4.33	84	37087	0.554	ppbv	94
21) Allyl Chloride	4.39	41	44429	0.472	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	28972m	0.479	ppbv	
23) Vinyl Acetate	5.07	43	90874m	0.458	ppbv	
24) 1,1-Dichloroethane	4.99	63	62121	0.435	ppbv	96
25) Ethyl Acetate	5.67	43	139780	0.466	ppbv #	97
26) Hexane	5.66	57	73958	0.482	ppbv	92
27) Carbon Disulfide	4.53	76	64967m	0.421	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	86898m	0.473	ppbv	
29) Chloroform	5.73	83	107457	0.496	ppbv	100
30) Cyclohexane	7.10	84	64437	0.495	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	68959m	0.502	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	105867	0.455	ppbv	97
34) 2-Butanone	5.25	43	55362	0.416	ppbv #	66
35) Carbon Tetrachloride	7.00	117	103176m	0.425	ppbv	
36) Benzene	6.86	78	156709	0.498	ppbv	97
37) 1,2-Dichloroethane	6.29	62	69810	0.448	ppbv	98
38) Trichloroethene	7.81	130	59094	0.439	ppbv	89
39) 1,2-Dichloropropane	7.58	63	59282m	0.489	ppbv	
40) 1,4-Dioxane	7.86	88	14285m	0.499	ppbv	
41) Tetrahydrofuran	6.06	42	34984m	0.462	ppbv	
42) Bromodichloromethane	7.77	83	103245m	0.438	ppbv	
43) Methyl Methacrylate	8.01	69	46912m	0.433	ppbv	

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44) 2,2,4-Trimethylpentane	7.84	57	268819	0.498	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	28073m	0.339	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	42203m	0.379	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	58623	0.462	ppbv	97
48) Dibromochloromethane	10.28	129	76066	0.370	ppbv	89
49) Bromoform	13.01	173	58701m	0.346	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	85872	0.391	ppbv	97
51) 2-Hexanone	10.16	43	52648m	0.454	ppbv	
52) Tetrachloroethene	11.19	164	62111	0.496	ppbv	89
53) Toluene	9.78	91	176718	0.472	ppbv	98
54) 1,2-Dibromoethane	10.58	107	82198	0.456	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	59834	0.413	ppbv #	24
57) Chlorobenzene	12.11	112	137856m	0.516	ppbv	
58) Ethyl Benzene	12.68	91	239516	0.493	ppbv	89
59) m/p-Xylene	12.96	91	400051m	0.996	ppbv	
60) o-Xylene	13.66	91	196015	0.512	ppbv	99
61) Styrene	13.50	104	95858m	0.444	ppbv	
62) Isopropylbenzene	14.64	105	275057	0.499	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	121533	0.425	ppbv	95
64) n-propylbenzene	15.53	120	68199m	0.480	ppbv	
65) tert-Butylbenzene	16.72	119	256146	0.515	ppbv	99
66) Benzyl Chloride	16.97	91	8658m	0.314	ppbv	
67) sec-Butylbenzene	17.27	105	334002	0.493	ppbv	99
69) p-Isopropyltoluene	17.63	119	263030	0.451	ppbv	95
70) n-Butylbenzene	18.53	91	254814	0.460	ppbv	99
71) 2-Chlorotoluene	15.42	91	187541	0.471	ppbv	97
72) 4-Ethyltoluene	15.81	105	205923	0.453	ppbv	96
73) 1,3,5-Trimethylbenzene	15.97	105	188436	0.441	ppbv	90
74) 1,2,4-Trimethylbenzene	16.73	105	214545	0.486	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	122602	0.455	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	135248m	0.496	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	132329m	0.490	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	109477m	0.504	ppbv	
79) Naphthalene	22.18	128	125097m	0.361	ppbv	
80) Naphthalene, 2-methyl-	25.05	142	29513m	0.392	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	90090m	0.427	ppbv	

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

