

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036427.D
 Acq On : 2 Mar 2021 13:36
 Operator : SY/AP
 Sample : M1458-15 0.45
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:29 PM

Quant Time: Mar 03 10:45:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1622152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3612568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3171631	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2563220	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	135976	0.562 ppbv	99
3) Chlorodifluoromethane	2.98	51	105031	0.521 ppbv	100
4) Chloromethane	3.13	50	48465	0.498 ppbv	98
5) Vinyl Chloride	3.25	62	38622	0.426 ppbv	100
6) Bromomethane	3.47	94	24815	0.460 ppbv	100
7) Chloroethane	3.55	64	16646m	0.517 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	118585	0.539 ppbv	97
9) Propene	3.29	41	13725m	0.183 ppbv	
10) Heptane	8.11	43	90537m	0.409 ppbv	
11) Trichlorofluoromethane	3.94	101	117192	0.494 ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.48	101	71613	0.488 ppbv	91
13) Ethanol	3.61	45	8989m	0.637 ppbv	
14) Bromoethene	3.73	108	24994	0.407 ppbv #	80
15) Acetone	3.86	43	121896m	0.615 ppbv	
16) 1,3-Butadiene	3.32	39	38228	0.403 ppbv	94
17) tert-Butyl alcohol	4.29	59	60857	0.395 ppbv	99
18) 1,1-Dichloroethene	4.28	96	27794	0.416 ppbv	96
19) Isopropyl Alcohol	3.97	45	55826m	0.508 ppbv	
20) Methylene Chloride	4.33	84	34454	0.539 ppbv #	78
21) Allyl Chloride	4.40	41	43888	0.398 ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	29220m	0.482 ppbv	
23) Vinyl Acetate	5.07	43	82388	0.353 ppbv #	91
24) 1,1-Dichloroethane	5.00	63	90043m	0.522 ppbv	
25) Ethyl Acetate	5.67	43	162548	0.425 ppbv	98
26) Hexane	5.67	57	65224	0.415 ppbv #	83
27) Carbon Disulfide	4.54	76	53328	0.369 ppbv #	75
28) Methyl tert-Butyl Ether	5.04	73	87568m	0.426 ppbv	
29) Chloroform	5.74	83	121667	0.480 ppbv	99
30) Cyclohexane	7.12	84	63093m	0.482 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	58943m	0.379 ppbv	
32) 1,1,1-Trichloroethane	6.49	97	114607m	0.484 ppbv	
34) 2-Butanone	5.24	43	95996	0.400 ppbv	92
35) Carbon Tetrachloride	7.00	117	111621m	0.461 ppbv	
36) Benzene	6.88	78	127401	0.415 ppbv	96
37) 1,2-Dichloroethane	6.29	62	78419	0.413 ppbv #	94
38) Trichloroethene	7.82	130	50087m	0.456 ppbv	
39) 1,2-Dichloropropane	7.60	63	54030	0.433 ppbv #	86
40) 1,4-Dioxane	7.86	88	20105m	0.465 ppbv	
41) Tetrahydrofuran	6.06	42	42265m	0.316 ppbv	
42) Bromodichloromethane	7.78	83	103660	0.408 ppbv #	99
43) Methyl Methacrylate	8.01	69	43983	0.340 ppbv	96

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44) 2,2,4-Trimethylpentane	7.86	57	249425	0.447	ppbv	96
45) t-1,3-Dichloropropene	9.27	75	39907m	0.320	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	47559	0.300	ppbv #	84
47) 1,1,2-Trichloroethane	9.46	97	59770	0.469	ppbv	91
48) Dibromochloromethane	10.29	129	80206m	0.421	ppbv	
49) Bromoform	13.03	173	57337	0.373	ppbv	94
50) 4-Methyl-2-Pentanone	8.75	43	124172	0.348	ppbv	99
51) 2-Hexanone	10.15	43	85221m	0.315	ppbv	
52) Tetrachloroethene	11.21	164	46458	0.414	ppbv #	82
53) Toluene	9.79	91	122564m	0.369	ppbv	
54) 1,2-Dibromoethane	10.60	107	84086m	0.456	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	68774	0.471	ppbv #	1
57) Chlorobenzene	12.13	112	127733	0.521	ppbv	98
58) Ethyl Benzene	12.70	91	173874m	0.400	ppbv	
59) m/p-Xylene	12.99	91	334802m	0.878	ppbv	
60) o-Xylene	13.68	91	166713	0.457	ppbv	98
61) Styrene	13.52	104	72767m	0.322	ppbv	
62) Isopropylbenzene	14.66	105	255951	0.468	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	135398	0.470	ppbv	91
64) n-propylbenzene	15.55	120	60495m	0.450	ppbv	
65) tert-Butylbenzene	16.74	119	201780	0.431	ppbv	95
66) Benzyl Chloride	16.98	91	47892m	0.377	ppbv	
67) sec-Butylbenzene	17.29	105	295833	0.439	ppbv	99
69) p-Isopropyltoluene	17.65	119	211837m	0.406	ppbv	
70) n-Butylbenzene	18.55	91	220437m	0.394	ppbv	
71) 2-Chlorotoluene	15.44	91	171550	0.409	ppbv	97
72) 4-Ethyltoluene	15.83	105	156607m	0.386	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	163295m	0.415	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	172470	0.429	ppbv	89
75) 1,3-Dichlorobenzene	16.98	146	108617m	0.498	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	102537m	0.453	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	102954m	0.476	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	92402m	0.523	ppbv	
79) Naphthalene	22.20	128	43098m	0.181	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	1411m	0.032	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	39011m	0.269	ppbv	

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

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