

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039436.D
 Acq On : 6 Jul 2022 2:26
 Operator : SY/AP
 Sample : N3214-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022

Quant Time: Jul 06 06:21:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.680	49	1085508	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	3069346	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	2769043	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	2100265	10.224	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	105668	0.675	ppbv	98
3) Chlorodifluoromethane	3.002	51	66562	0.483	ppbv	99
4) Chloromethane	3.156	50	36322	0.482	ppbv #	86
5) Vinyl Chloride	3.275	62	29691	0.400	ppbv	97
6) Bromomethane	3.491	94	15726m	0.503	ppbv	
7) Chloroethane	3.574	64	13750m	0.520	ppbv	
8) Dichlorotetrafluoroethane	3.201	85	87263	0.510	ppbv	98
9) Propene	3.031	41	32407	0.521	ppbv	99
10) Heptane	8.137	43	59704	0.410	ppbv	99
11) Trichlorofluoromethane	3.963	101	85876	0.492	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.500	101	64775	0.498	ppbv	98
13) Ethanol	3.623	45	2254m	0.625	ppbv	
14) Bromoethene	3.751	108	25958m	0.475	ppbv	
15) Acetone	3.877	43	79792m	0.621	ppbv	
16) 1,3-Butadiene	3.343	39	32396	0.486	ppbv	99
17) tert-Butyl alcohol	4.314	59	55088m	0.505	ppbv	
18) 1,1-Dichloroethene	4.304	96	28608m	0.485	ppbv	
19) Isopropyl Alcohol	3.992	45	31884m	0.465	ppbv	
20) Methylene Chloride	4.359	84	29594	0.578	ppbv #	92
21) Allyl Chloride	4.426	41	40027m	0.450	ppbv	
22) trans-1,2-Dichloroethene	4.902	96	28181m	0.494	ppbv	
23) Vinyl Acetate	5.092	43	37497m	0.437	ppbv	
24) 1,1-Dichloroethane	5.025	63	66038	0.545	ppbv #	96
25) Ethyl Acetate	5.700	43	116097	0.441	ppbv	97
26) Hexane	5.700	57	49877	0.470	ppbv #	86
27) Carbon Disulfide	4.562	76	49881m	0.389	ppbv	
28) Methyl tert-Butyl Ether	5.060	73	51287	0.452	ppbv	93
29) Chloroform	5.764	83	86648	0.469	ppbv	91
30) Cyclohexane	7.143	84	49512m	0.512	ppbv	
31) cis-1,2-Dichloroethene	5.561	61	48878m	0.434	ppbv	
32) 1,1,1-Trichloroethane	6.526	97	78016	0.428	ppbv	97
34) 2-Butanone	5.269	43	74435m	0.482	ppbv	
35) Carbon Tetrachloride	7.028	117	82895m	0.437	ppbv	
36) Benzene	6.899	78	101884m	0.429	ppbv	
37) 1,2-Dichloroethane	6.320	62	60935	0.435	ppbv #	96
38) Trichloroethene	7.844	130	54894m	0.427	ppbv	
39) 1,2-Dichloropropane	7.622	63	39994m	0.451	ppbv	
40) 1,4-Dioxane	7.880	88	18926m	0.535	ppbv	
41) Tetrahydrofuran	6.089	42	34061m	0.380	ppbv	
42) Bromodichloromethane	7.806	83	74711m	0.395	ppbv	
43) Methyl Methacrylate	8.028	69	32573m	0.361	ppbv	
44) 2,2,4-Trimethylpentane	7.883	57	170908m	0.425	ppbv	
45) t-1,3-Dichloropropene	9.288	75	22421m	0.279	ppbv	

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46) cis-1,3-Dichloropropene	8.716	75	36249m	0.327	ppbv	
47) 1,1,2-Trichloroethane	9.487	97	44273m	0.445	ppbv	
48) Dibromochloromethane	10.317	129	58534m	0.370	ppbv	
49) Bromoform	13.060	173	41065m	0.322	ppbv	
50) 4-Methyl-2-Pentanone	8.777	43	86801m	0.372	ppbv	
51) 2-Hexanone	10.172	43	54700m	0.310	ppbv	
52) Tetrachloroethene	11.230	164	38564m	0.403	ppbv	
53) Toluene	9.815	91	101324m	0.370	ppbv	
54) 1,2-Dibromoethane	10.626	107	48455	0.391	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.137	131	55042m	0.450	ppbv	
57) Chlorobenzene	12.153	112	101595m	0.473	ppbv	
58) Ethyl Benzene	12.725	91	136216	0.381	ppbv	95
59) m/p-Xylene	13.005	91	253905m	0.805	ppbv	
60) o-Xylene	13.699	91	120184	0.403	ppbv	98
61) Styrene	13.545	104	48824m	0.302	ppbv	
62) Isopropylbenzene	14.674	105	188944	0.416	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.690	83	68535m	0.438	ppbv	
64) n-propylbenzene	15.571	120	45693m	0.397	ppbv	
65) tert-Butylbenzene	16.754	119	163031	0.388	ppbv	92
66) Benzyl Chloride	17.018	91	17477m	0.438	ppbv	
67) sec-Butylbenzene	17.304	105	229938	0.406	ppbv	99
69) p-Isopropyltoluene	17.661	119	186465m	0.388	ppbv	
70) n-Butylbenzene	18.558	91	174055m	0.374	ppbv	
71) 2-Chlorotoluene	15.461	91	130429m	0.401	ppbv	
72) 4-Ethyltoluene	15.847	105	137858m	0.393	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	128058m	0.397	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	137911	0.387	ppbv #	85
75) 1,3-Dichlorobenzene	17.008	146	98954m	0.465	ppbv	
76) 1,4-Dichlorobenzene	17.146	146	86505m	0.410	ppbv	
77) 1,2-Dichlorobenzene	17.831	146	82933	0.393	ppbv	92
78) Hexachloro-1,3-Butadiene	23.384	225	79954m	0.472	ppbv	
79) Naphthalene	22.217	128	74030m	0.302	ppbv	
80) Naphthalene,2-methyl-	24.979	142	11946m	0.143	ppbv	
81) 1,2,4-Trichlorobenzene	21.940	180	52344m	0.328	ppbv	

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

