

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039325.D
 Acq On : 22 Jun 2022 18:18
 Operator : SY/AP
 Sample : N3214-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:29:11 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:29:11 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Bromochloromethane	5.668	49	1159722	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3345876	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3087144	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2362962	9.258	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	128552m	0.631	ppbv	
3) Chlorodifluoromethane	2.993	51	70200m	0.476	ppbv	
4) Chloromethane	3.144	50	37047	0.489	ppbv	97
5) Vinyl Chloride	3.259	62	35654m	0.503	ppbv	
6) Bromomethane	3.478	94	18249	0.524	ppbv #	74
7) Chloroethane	3.558	64	13677m	0.554	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	96706m	0.519	ppbv	
9) Propene	3.015	41	32999	0.513	ppbv	90
10) Heptane	8.118	43	72382m	0.482	ppbv	
11) Trichlorofluoromethane	3.957	101	99354m	0.539	ppbv	
12) 1,1,2-Trichlorotrifluoro...	4.484	101	72922	0.598	ppbv	97
13) Ethanol	3.620	45	1717m	0.489	ppbv	
14) Bromoethene	3.745	108	27526m	0.502	ppbv	
15) Acetone	3.867	43	78016m	0.646	ppbv	
16) 1,3-Butadiene	3.330	39	32630	0.502	ppbv	93
17) tert-Butyl alcohol	4.304	59	51284	0.547	ppbv	100
18) 1,1-Dichloroethene	4.288	96	31350m	0.573	ppbv	
19) Isopropyl Alcohol	3.983	45	34711m	0.613	ppbv	
20) Methylene Chloride	4.346	84	36505	0.717	ppbv #	81
21) Allyl Chloride	4.417	41	50324m	0.618	ppbv	
22) trans-1,2-Dichloroethene	4.886	96	29704m	0.564	ppbv	
23) Vinyl Acetate	5.079	43	45777m	0.458	ppbv	
24) 1,1-Dichloroethane	5.012	63	63358	0.463	ppbv	97
25) Ethyl Acetate	5.687	43	123073	0.452	ppbv	96
26) Hexane	5.687	57	54566	0.456	ppbv #	83
27) Carbon Disulfide	4.555	76	51591	0.416	ppbv #	96
28) Methyl tert-Butyl Ether	5.047	73	59414	0.450	ppbv	97
29) Chloroform	5.751	83	92692	0.460	ppbv	92
30) Cyclohexane	7.131	84	46588	0.463	ppbv #	83
31) cis-1,2-Dichloroethene	5.546	61	58987m	0.483	ppbv	
32) 1,1,1-Trichloroethane	6.507	97	91233	0.463	ppbv	97
34) 2-Butanone	5.259	43	79630m	0.438	ppbv	
35) Carbon Tetrachloride	7.025	117	93446m	0.383	ppbv	
36) Benzene	6.890	78	120606	0.444	ppbv	94
37) 1,2-Dichloroethane	6.304	62	73816m	0.413	ppbv	
38) Trichloroethene	7.835	130	63452m	0.509	ppbv	
39) 1,2-Dichloropropane	7.616	63	49471m	0.458	ppbv	
40) 1,4-Dioxane	7.873	88	19371m	0.545	ppbv	
41) Tetrahydrofuran	6.076	42	44211m	0.404	ppbv	
42) Bromodichloromethane	7.787	83	94414m	0.381	ppbv	
43) Methyl Methacrylate	8.021	69	41006m	0.388	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	199684	0.420	ppbv	93
45) t-1,3-Dichloropropene	9.272	75	31190m	0.283	ppbv	

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46) cis-1,3-Dichloropropene	8.703	75	45462m	0.312	ppbv	
47) 1,1,2-Trichloroethane	9.475	97	52617m	0.467	ppbv	
48) Dibromochloromethane	10.301	129	66695m	0.331	ppbv	
49) Bromoform	13.034	173	52134m	0.311	ppbv	
50) 4-Methyl-2-Pentanone	8.754	43	110652m	0.407	ppbv	
51) 2-Hexanone	10.153	43	72311m	0.342	ppbv	
52) Tetrachloroethene	11.217	164	45718	0.431	ppbv	92
53) Toluene	9.806	91	128670m	0.411	ppbv	
54) 1,2-Dibromoethane	10.610	107	64376m	0.425	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.118	131	61250	0.419	ppbv #	1
57) Chlorobenzene	12.140	112	115136	0.496	ppbv #	89
58) Ethyl Benzene	12.709	91	168025	0.395	ppbv	93
59) m/p-Xylene	12.986	91	319682m	0.854	ppbv	
60) o-Xylene	13.687	91	150750	0.428	ppbv	100
61) Styrene	13.526	104	67298m	0.357	ppbv	
62) Isopropylbenzene	14.661	105	233406	0.446	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.674	83	79068	0.400	ppbv #	93
64) n-propylbenzene	15.555	120	54471m	0.424	ppbv	
65) tert-Butylbenzene	16.738	119	208151	0.435	ppbv	97
66) Benzyl Chloride	16.982	91	19356m	0.311	ppbv	
67) sec-Butylbenzene	17.285	105	282224	0.433	ppbv	99
69) p-Isopropyltoluene	17.648	119	226505	0.411	ppbv	97
70) n-Butylbenzene	18.551	91	212661	0.376	ppbv	97
71) 2-Chlorotoluene	15.445	91	159008	0.399	ppbv	96
72) 4-Ethyltoluene	15.831	105	160893	0.390	ppbv	98
73) 1,3,5-Trimethylbenzene	15.999	105	164735m	0.443	ppbv	
74) 1,2,4-Trimethylbenzene	16.754	105	179364	0.432	ppbv #	95
75) 1,3-Dichlorobenzene	16.989	146	107436	0.457	ppbv	97
76) 1,4-Dichlorobenzene	17.137	146	106826m	0.456	ppbv	
77) 1,2-Dichlorobenzene	17.809	146	104317m	0.441	ppbv	
78) Hexachloro-1,3-Butadiene	23.368	225	99294	0.459	ppbv	98
79) Naphthalene	22.191	128	102781m	0.322	ppbv	
80) Naphthalene,2-methyl-	24.979	142	14571m	0.123	ppbv	
81) 1,2,4-Trichlorobenzene	21.921	180	70617m	0.349	ppbv	

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

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