

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039596.D
 Acq On : 26 Aug 2022 9:42
 Operator : SY/AP
 Sample : N3980-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 27 00:02:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.208	49	965536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2632875	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2345621	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1739319	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	84342	0.656	ppbv	97
3) Chlorodifluoromethane	2.697	51	56686	0.493	ppbv	97
4) Chloromethane	2.838	50	33886	0.489	ppbv #	85
5) Vinyl Chloride	2.944	62	25655m	0.459	ppbv	
6) Bromomethane	3.144	94	11836m	0.499	ppbv	
7) Chloroethane	3.218	64	10335m	0.493	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	68563	0.499	ppbv	99
9) Propene	2.726	41	26815m	0.509	ppbv	
10) Heptane	7.590	43	46767m	0.384	ppbv	
11) Trichlorofluoromethane	3.584	101	66515	0.472	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	48100	0.461	ppbv	98
13) Ethanol	3.272	45	2731m	0.722	ppbv	
14) Bromoethene	3.388	108	19935	0.468	ppbv	98
15) Acetone	3.504	43	54512	0.504	ppbv	93
16) 1,3-Butadiene	3.005	39	27243m	0.483	ppbv	
17) tert-Butyl alcohol	3.915	59	40912m	0.443	ppbv	
18) 1,1-Dichloroethene	3.899	96	20811m	0.443	ppbv	
19) Isopropyl Alcohol	3.616	45	21994m	0.418	ppbv	
20) Methylene Chloride	3.957	84	28902	0.658	ppbv #	90
21) Allyl Chloride	4.018	41	25927	0.369	ppbv #	69
22) trans-1,2-Dichloroethene	4.462	96	20388m	0.436	ppbv	
23) Vinyl Acetate	4.645	43	24220m	0.471	ppbv	
24) 1,1-Dichloroethane	4.584	63	47962m	0.504	ppbv	
25) Ethyl Acetate	5.234	43	93460m	0.404	ppbv	
26) Hexane	5.230	57	41076	0.435	ppbv	90
27) Carbon Disulfide	4.144	76	32162	0.319	ppbv #	84
28) Methyl tert-Butyl Ether	4.623	73	33248m	0.408	ppbv	
29) Chloroform	5.285	83	65143	0.441	ppbv	90
30) Cyclohexane	6.616	84	26360m	0.337	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	35547	0.389	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	53073	0.408	ppbv	92
34) 2-Butanone	4.822	43	50548	0.386	ppbv #	89
35) Carbon Tetrachloride	6.504	117	55795	0.392	ppbv	97
36) Benzene	6.381	78	76538m	0.381	ppbv	
37) 1,2-Dichloroethane	5.819	62	49092m	0.444	ppbv	
38) Trichloroethene	7.301	130	42773	0.398	ppbv #	90
39) 1,2-Dichloropropane	7.086	63	32213m	0.427	ppbv	
40) 1,4-Dioxane	7.336	88	10155m	0.344	ppbv	
41) Tetrahydrofuran	5.600	42	27474m	0.351	ppbv	
42) Bromodichloromethane	7.262	83	54378	0.359	ppbv	97
43) Methyl Methacrylate	7.494	69	22981m	0.318	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	129337	0.382	ppbv #	90
45) t-1,3-Dichloropropene	8.713	75	14298m	0.227	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	23874m	0.273	ppbv	
47) 1,1,2-Trichloroethane	8.915	97	36579m	0.424	ppbv	
48) Dibromochloromethane	9.716	129	42445m	0.334	ppbv	
49) Bromoform	12.410	173	29344	0.279	ppbv	88
50) 4-Methyl-2-Pentanone	8.214	43	57369	0.281	ppbv	97
51) 2-Hexanone	9.587	43	43318m	0.289	ppbv	
52) Tetrachloroethene	10.626	164	32606m	0.429	ppbv	
53) Toluene	9.227	91	69473m	0.309	ppbv	
54) 1,2-Dibromoethane	10.024	107	36342m	0.377	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	41639m	0.437	ppbv	
57) Chlorobenzene	11.532	112	81063	0.463	ppbv #	96
58) Ethyl Benzene	12.098	91	93671m	0.348	ppbv	
59) m/p-Xylene	12.384	91	178551m	0.738	ppbv	
60) o-Xylene	13.069	91	78711	0.339	ppbv	96
61) Styrene	12.902	104	32900m	0.266	ppbv	
62) Isopropylbenzene	14.037	105	145384m	0.414	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.056	83	52971m	0.482	ppbv	
64) n-propylbenzene	14.931	120	34956m	0.383	ppbv	
65) tert-Butylbenzene	16.101	119	121446	0.389	ppbv	92
66) Benzyl Chloride	16.342	91	10770m	0.425	ppbv	
67) sec-Butylbenzene	16.641	105	174106m	0.394	ppbv	
69) p-Isopropyltoluene	17.002	119	129091m	0.352	ppbv	
70) n-Butylbenzene	17.895	91	137567m	0.377	ppbv	
71) 2-Chlorotoluene	14.809	91	92151	0.363	ppbv	99
72) 4-Ethyltoluene	15.204	105	88526	0.326	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.359	105	87485	0.353	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	103876	0.376	ppbv #	93
75) 1,3-Dichlorobenzene	16.339	146	70767	0.421	ppbv	93
76) 1,4-Dichlorobenzene	16.484	146	73921m	0.442	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	74947m	0.456	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	64750m	0.494	ppbv	
79) Naphthalene	21.390	128	62570m	0.318	ppbv	
80) Naphthalene,2-methyl-	24.384	142	10212	0.128	ppbv #	77
81) 1,2,4-Trichlorobenzene	21.156	180	46033m	0.350	ppbv	

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

