

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039600.D
 Acq On : 26 Aug 2022 12:33
 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 00:04:56 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 06:05:16 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	938743	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	2561039	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2291970	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1709601 9.887 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	80260	0.643	ppbv	92
3) Chlorodifluoromethane	2.697	51	56400	0.504	ppbv	96
4) Chloromethane	2.838	50	31792	0.472	ppbv	91
5) Vinyl Chloride	2.938	62	26449m	0.486	ppbv	
6) Bromomethane	3.137	94	11388m	0.494	ppbv	
7) Chloroethane	3.218	64	10265	0.504	ppbv #	88
8) Dichlorotetrafluoroethane	2.880	85	67935	0.508	ppbv	100
9) Propene	2.719	41	29591	0.578	ppbv	98
10) Heptane	7.597	43	45332m	0.382	ppbv	
11) Trichlorofluoromethane	3.581	101	64381	0.470	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	45994	0.454	ppbv	94
13) Ethanol	3.301	45	3323m	0.903	ppbv	
14) Bromoethene	3.391	108	18284	0.441	ppbv #	92
15) Acetone	3.504	43	50876	0.484	ppbv #	88
16) 1,3-Butadiene	3.009	39	24610	0.449	ppbv	96
17) tert-Butyl alcohol	3.919	59	34309m	0.382	ppbv	
18) 1,1-Dichloroethene	3.903	96	17694	0.387	ppbv	92
19) Isopropyl Alcohol	3.613	45	22181m	0.434	ppbv	
20) Methylene Chloride	3.954	84	27100	0.634	ppbv #	89
21) Allyl Chloride	4.022	41	31404	0.459	ppbv	97
22) trans-1,2-Dichloroethene	4.465	96	21159m	0.466	ppbv	
23) Vinyl Acetate	4.652	43	24164m	0.483	ppbv	
24) 1,1-Dichloroethane	4.581	63	41696	0.451	ppbv	97
25) Ethyl Acetate	5.231	43	97167	0.432	ppbv	97
26) Hexane	5.234	57	37179	0.405	ppbv #	75
27) Carbon Disulfide	4.147	76	26328	0.268	ppbv #	90
28) Methyl tert-Butyl Ether	4.620	73	28151	0.355	ppbv #	88
29) Chloroform	5.288	83	66099	0.460	ppbv	98
30) Cyclohexane	6.620	84	30023m	0.395	ppbv	
31) cis-1,2-Dichloroethene	5.099	61	36218m	0.407	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	55371m	0.438	ppbv	
34) 2-Butanone	4.829	43	57397m	0.451	ppbv	
35) Carbon Tetrachloride	6.510	117	55274	0.399	ppbv	96
36) Benzene	6.388	78	73488	0.376	ppbv	96
37) 1,2-Dichloroethane	5.816	62	48972m	0.455	ppbv	
38) Trichloroethene	7.301	130	38877	0.372	ppbv #	88
39) 1,2-Dichloropropane	7.092	63	31481m	0.429	ppbv	
40) 1,4-Dioxane	7.365	88	9790m	0.341	ppbv	
41) Tetrahydrofuran	5.607	42	26184m	0.344	ppbv	
42) Bromodichloromethane	7.263	83	53947	0.367	ppbv	97
43) Methyl Methacrylate	7.500	69	22722m	0.323	ppbv	
44) 2,2,4-Trimethylpentane	7.343	57	124839	0.379	ppbv #	90
45) t-1,3-Dichloropropene	8.722	75	15452m	0.252	ppbv	

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 17:23:17 2022
 QLast Update : Fri Aug 26 06:05:16 2022
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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)
46) cis-1,3-Dichloropropene	8.150	75	24746m	0.291	ppbv	
47) 1,1,2-Trichloroethane	8.915	97	35547m	0.424	ppbv	
48) Dibromochloromethane	9.719	129	41411	0.335	ppbv	96
49) Bromoform	12.420	173	31002	0.303	ppbv	97
50) 4-Methyl-2-Pentanone	8.218	43	66457m	0.335	ppbv	
51) 2-Hexanone	9.587	43	42865m	0.294	ppbv	
52) Tetrachloroethene	10.623	164	29563m	0.400	ppbv	
53) Toluene	9.234	91	64572	0.296	ppbv	98
54) 1,2-Dibromoethane	10.008	107	37702m	0.402	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.529	131	43153m	0.463	ppbv	
57) Chlorobenzene	11.536	112	79650	0.466	ppbv #	92
58) Ethyl Benzene	12.102	91	89132m	0.338	ppbv	
59) m/p-Xylene	12.381	91	169919m	0.719	ppbv	
60) o-Xylene	13.066	91	78784	0.347	ppbv	98
61) Styrene	12.909	104	31044	0.257	ppbv	90
62) Isopropylbenzene	14.037	105	132970	0.388	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.063	83	48930m	0.456	ppbv	
64) n-propylbenzene	14.928	120	30125	0.338	ppbv	65
65) tert-Butylbenzene	16.101	119	121515m	0.399	ppbv	
66) Benzyl Chloride	16.352	91	8312m	0.336	ppbv	
67) sec-Butylbenzene	16.645	105	164767	0.382	ppbv	99
69) p-Isopropyltoluene	17.008	119	129849m	0.362	ppbv	
70) n-Butylbenzene	17.905	91	126073	0.354	ppbv	96
71) 2-Chlorotoluene	14.812	91	89108	0.359	ppbv	96
72) 4-Ethyltoluene	15.204	105	92313m	0.348	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	86609m	0.357	ppbv	
74) 1,2,4-Trimethylbenzene	16.118	105	105044m	0.389	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	67897m	0.414	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	62750	0.384	ppbv	89
77) 1,2-Dichlorobenzene	17.153	146	69244	0.431	ppbv	95
78) Hexachloro-1,3-Butadiene	22.641	225	64244m	0.502	ppbv	
79) Naphthalene	21.403	128	57978m	0.302	ppbv	
80) Naphthalene,2-methyl-	24.384	142	7342m	0.094	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	47123m	0.367	ppbv	

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

