

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039046.D
 Acq On : 13 May 2022 21:06
 Operator : SY/AP
 Sample : N2812-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/15/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 14 00:56:16 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 12 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	949269	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2545511	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	2116249	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1589891 9.486 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.900%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.047	85	15656m	0.105	ppbv	
3) Chlorodifluoromethane	2.983	51	17562	0.149	ppbv #	76
4) Chloromethane	3.140	50	8749m	0.148	ppbv	
5) Vinyl Chloride	3.034	62	111	0.002	ppbv #	44
6) Bromomethane	3.607	94	90	0.004	ppbv #	1
7) Chloroethane	3.555	64	246	0.014	ppbv #	45
8) Dichlorotetrafluoroethane	3.185	85	233	0.002	ppbv #	16
9) Propene	3.012	41	13547m	0.263	ppbv	
10) Heptane	8.089	43	1619	0.013	ppbv #	5
11) Trichlorofluoromethane	3.941	101	3385	0.027	ppbv #	80
12) 1,1,2-Trichlorotrifluoro...	4.468	101	874	0.010	ppbv #	15
13) Ethanol	3.600	45	50023m	13.741	ppbv	
15) Acetone	3.845	43	142967	1.597	ppbv	97
16) 1,3-Butadiene	3.320	39	206	0.004	ppbv #	9
17) tert-Butyl alcohol	4.279	59	106	0.002	ppbv #	70
18) 1,1-Dichloroethene	4.243	96	80	0.002	ppbv #	1
19) Isopropyl Alcohol	3.964	45	35304m	0.829	ppbv	
20) Methylene Chloride	4.333	84	83371m	2.470	ppbv	
21) Allyl Chloride	4.398	41	188	0.003	ppbv #	19
22) trans-1,2-Dichloroethene	4.867	96	46	0.001	ppbv #	1
24) 1,1-Dichloroethane	5.182	63	95	0.001	ppbv #	89
26) Hexane	5.668	57	96321	1.011	ppbv #	40
27) Carbon Disulfide	4.546	76	201	0.002	ppbv #	61
28) Methyl tert-Butyl Ether	5.092	73	132	0.002	ppbv #	1
29) Chloroform	5.658	83	131	0.001	ppbv	97
30) Cyclohexane	7.108	84	2329	0.029	ppbv #	3
31) cis-1,2-Dichloroethene	5.536	61	400	0.004	ppbv #	29
34) 2-Butanone	5.237	43	183073	1.410	ppbv	93
35) Carbon Tetrachloride	6.996	117	1007	0.006	ppbv #	30
36) Benzene	6.867	78	3130	0.014	ppbv #	74
37) 1,2-Dichloroethane	6.285	62	133	0.001	ppbv #	83
38) Trichloroethene	7.809	130	373	0.004	ppbv #	39
40) 1,4-Dioxane	7.793	88	91	0.003	ppbv #	1
41) Tetrahydrofuran	6.057	42	53835m	0.617	ppbv	
42) Bromodichloromethane	7.767	83	317	0.002	ppbv #	24
43) Methyl Methacrylate	7.983	69	115	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.854	57	2633	0.007	ppbv #	1
45) t-1,3-Dichloropropene	9.111	75	85	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.449	75	84	0.001	ppbv #	45
47) 1,1,2-Trichloroethane	9.526	97	91	0.001	ppbv #	36
48) Dibromochloromethane	10.243	129	81	0.001	ppbv	75
49) Bromoform	13.011	173	61	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.725	43	51	0.000	ppbv #	39

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039046.D
 Acq On : 13 May 2022 21:06
 Operator : SY/AP
 Sample : N2812-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: May 14 00:56:16 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 12 00:00:00 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
51) 2-Hexanone	10.095	43	260	0.002	ppbv	#	28
52) Tetrachloroethene	11.198	164	587276	7.544	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.108	131	76	0.001	ppbv	#	1
57) Chlorobenzene	12.092	112	33	0.000	ppbv	#	1
58) Ethyl Benzene	12.687	91	2254	0.007	ppbv		94
59) m/p-Xylene	12.963	91	1791	0.007	ppbv	#	33
60) o-Xylene	13.703	91	138	0.001	ppbv		94
61) Styrene	13.503	104	295	0.002	ppbv	#	25
62) Isopropylbenzene	14.642	105	943	0.003	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.638	83	86	0.001	ppbv	#	24
64) n-propylbenzene	15.719	120	191	0.002	ppbv	#	1
65) tert-Butylbenzene	16.699	119	88	0.000	ppbv	#	1
66) Benzyl Chloride	16.950	91	35	0.001	ppbv	#	70
67) sec-Butylbenzene	17.252	105	230	0.001	ppbv	#	60
69) p-Isopropyltoluene	17.619	119	412	0.001	ppbv	#	34
70) n-Butylbenzene	18.522	91	644	0.002	ppbv	#	33
71) 2-Chlorotoluene	15.539	91	299	0.001	ppbv		97
72) 4-Ethyltoluene	15.809	105	1391	0.005	ppbv	#	73
73) 1,3,5-Trimethylbenzene	15.973	105	628	0.003	ppbv	#	33
74) 1,2,4-Trimethylbenzene	16.735	105	2536	0.009	ppbv	#	62
75) 1,3-Dichlorobenzene	16.966	146	33	0.000	ppbv	#	22
76) 1,4-Dichlorobenzene	17.101	146	358	0.002	ppbv	#	23
77) 1,2-Dichlorobenzene	17.786	146	554	0.004	ppbv	#	5
78) Hexachloro-1,3-Butadiene	23.333	225	138	0.001	ppbv	#	18
79) Naphthalene	22.153	128	440	0.002	ppbv	#	69
80) Naphthalene,2-methyl-	24.831	142	50	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	21.837	180	151	0.001	ppbv	#	83

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

