

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039042.D
 Acq On : 13 May 2022 18:17
 Operator : SY/AP
 Sample : N2812-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations APPROVED

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

Quant Time: May 14 00:55:05 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 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	875640	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2056316	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	1713202	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1345679	9.918	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	29526	0.215	ppbv	90
3) Chlorodifluoromethane	2.980	51	40603m	0.374	ppbv	
4) Chloromethane	3.131	50	42212	0.776	ppbv #	87
5) Vinyl Chloride	3.247	62	219	0.004	ppbv #	44
6) Bromomethane	3.472	94	145	0.006	ppbv #	72
7) Chloroethane	3.555	64	342	0.021	ppbv #	45
8) Dichlorotetrafluoroethane	3.185	85	631	0.005	ppbv #	16
9) Propene	3.018	41	75220	1.585	ppbv #	65
10) Heptane	8.108	43	41035m	0.352	ppbv	
11) Trichlorofluoromethane	3.944	101	26476	0.225	ppbv	86
13) Ethanol	3.610	45	15770221	4696.338	ppbv	95
15) Acetone	3.835	43	1325705	16.050	ppbv	99
17) tert-Butyl alcohol	4.295	59	63852	1.006	ppbv	97
18) 1,1-Dichloroethene	4.272	96	95	0.003	ppbv #	74
19) Isopropyl Alcohol	3.970	45	4065978	103.532	ppbv	99
20) Methylene Chloride	4.330	84	216483	6.954	ppbv	99
22) trans-1,2-Dichloroethene	4.873	96	253	0.007	ppbv #	1
24) 1,1-Dichloroethane	5.012	63	41	0.001	ppbv #	89
26) Hexane	5.674	57	302658	3.446	ppbv #	46
28) Methyl tert-Butyl Ether	5.021	73	46	0.001	ppbv #	52
29) Chloroform	5.735	83	126540	0.890	ppbv	93
30) Cyclohexane	7.111	84	19189m	0.261	ppbv	
31) cis-1,2-Dichloroethene	5.536	61	10051m	0.112	ppbv	
32) 1,1,1-Trichloroethane	6.494	97	255	0.002	ppbv #	1
34) 2-Butanone	5.230	43	377270	3.596	ppbv	96
35) Carbon Tetrachloride	7.008	117	9846m	0.073	ppbv	
36) Benzene	6.870	78	31484	0.179	ppbv #	92
37) 1,2-Dichloroethane	6.291	62	1180	0.011	ppbv #	83
38) Trichloroethene	7.816	130	9437m	0.121	ppbv	
40) 1,4-Dioxane	7.816	88	118	0.005	ppbv #	1
41) Tetrahydrofuran	6.041	42	62436	0.886	ppbv	88
43) Methyl Methacrylate	7.986	69	175	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	7.857	57	36588m	0.118	ppbv	
45) t-1,3-Dichloropropene	9.256	75	207	0.003	ppbv #	44
46) cis-1,3-Dichloropropene	8.687	75	90	0.001	ppbv #	24
47) 1,1,2-Trichloroethane	9.327	97	63	0.001	ppbv #	18
48) Dibromochloromethane	10.282	129	146	0.001	ppbv #	1
49) Bromoform	13.018	173	162	0.002	ppbv #	26
50) 4-Methyl-2-Pentanone	8.713	43	1456	0.008	ppbv #	39
51) 2-Hexanone	10.092	43	1357	0.010	ppbv #	28
52) Tetrachloroethene	11.208	164	4937206	78.511	ppbv	95
53) Toluene	9.780	91	106738	0.541	ppbv	93
54) 1,2-Dibromoethane	10.565	107	125	0.001	ppbv #	3

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
56) 1,1,1,2-Tetrachloroethane	12.102	131	55	0.001	ppbv	#	9
57) Chlorobenzene	12.124	112	878	0.007	ppbv	#	22
59) m/p-Xylene	12.941	91	53127m	0.252	ppbv		
60) o-Xylene	13.674	91	24802m	0.125	ppbv		
61) Styrene	13.503	104	2114	0.020	ppbv	#	1
62) Isopropylbenzene	14.394	105	659	0.002	ppbv		91
63) 1,1,2,2-Tetrachloroethane	13.648	83	225	0.002	ppbv	#	24
64) n-propylbenzene	15.529	120	456	0.007	ppbv	#	1
65) tert-Butylbenzene	16.703	119	301	0.001	ppbv	#	15
66) Benzyl Chloride	16.957	91	380	0.011	ppbv	#	1
67) sec-Butylbenzene	17.272	105	2399	0.007	ppbv		94
69) p-Isopropyltoluene	17.619	119	3831	0.013	ppbv	#	47
70) n-Butylbenzene	18.513	91	1802	0.006	ppbv	#	1
71) 2-Chlorotoluene	15.439	91	569	0.003	ppbv		100
72) 4-Ethyltoluene	15.812	105	1743	0.008	ppbv	#	55
73) 1,3,5-Trimethylbenzene	15.966	105	2041	0.010	ppbv	#	23
74) 1,2,4-Trimethylbenzene	16.735	105	39288m	0.177	ppbv		
75) 1,3-Dichlorobenzene	16.966	146	277	0.002	ppbv	#	22
76) 1,4-Dichlorobenzene	17.108	146	18637m	0.155	ppbv		
77) 1,2-Dichlorobenzene	17.783	146	474	0.004	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.333	225	487	0.004	ppbv	#	1
79) Naphthalene	22.143	128	1647	0.009	ppbv	#	89
81) 1,2,4-Trichlorobenzene	21.882	180	277	0.003	ppbv	#	18

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

