

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039048.D
 Acq On : 13 May 2022 22:28
 Operator : SY/AP
 Sample : N2812-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 14 00:56:46 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 14 00:56:46 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	952764	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2440895	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	2001740	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1446598 9.125 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.044	85	16727m	0.112	ppbv	
3) Chlorodifluoromethane	2.980	51	18738	0.158	ppbv #	80
4) Chloromethane	3.137	50	9658m	0.163	ppbv	
5) Vinyl Chloride	3.047	62	45	0.001	ppbv #	44
6) Bromomethane	3.468	94	63	0.002	ppbv #	1
7) Chloroethane	3.546	64	119	0.007	ppbv #	45
8) Dichlorotetrafluoroethane	3.179	85	553	0.004	ppbv	97
9) Propene	3.015	41	15159m	0.294	ppbv	
10) Heptane	8.098	43	2359	0.019	ppbv #	54
12) 1,1,2-Trichlorotrifluo...	4.500	101	161	0.002	ppbv	88
13) Ethanol	3.607	45	36317m	9.940	ppbv	
14) Bromoethene	3.919	108	85	0.002	ppbv #	3
15) Acetone	3.845	43	150285m	1.672	ppbv	
16) 1,3-Butadiene	3.301	39	928	0.018	ppbv #	62
17) tert-Butyl alcohol	4.282	59	72	0.001	ppbv #	70
18) 1,1-Dichloroethene	4.189	96	76	0.002	ppbv #	1
19) Isopropyl Alcohol	3.970	45	10798m	0.253	ppbv	
20) Methylene Chloride	4.333	84	218158	6.440	ppbv	96
21) Allyl Chloride	4.398	41	126	0.002	ppbv #	1
22) trans-1,2-Dichloroethene	4.899	96	76	0.002	ppbv #	31
23) Vinyl Acetate	5.060	43	717	0.010	ppbv #	34
24) 1,1-Dichloroethane	4.992	63	43	0.001	ppbv #	89
26) Hexane	5.671	57	225594	2.360	ppbv #	39
27) Carbon Disulfide	4.539	76	152	0.002	ppbv #	1
28) Methyl tert-Butyl Ether	4.963	73	40	0.001	ppbv #	1
29) Chloroform	5.738	83	878	0.006	ppbv #	19
30) Cyclohexane	7.108	84	966	0.012	ppbv #	1
31) cis-1,2-Dichloroethene	5.658	61	141	0.001	ppbv #	74
32) 1,1,1-Trichloroethane	6.420	97	38	0.000	ppbv #	1
36) Benzene	6.873	78	2973	0.014	ppbv #	72
37) 1,2-Dichloroethane	6.291	62	245	0.002	ppbv #	83
38) Trichloroethene	7.780	130	68	0.001	ppbv #	1
40) 1,4-Dioxane	7.799	88	53	0.002	ppbv #	1
41) Tetrahydrofuran	6.298	42	923	0.011	ppbv #	36
42) Bromodichloromethane	7.783	83	71	0.000	ppbv #	24
43) Methyl Methacrylate	7.999	69	48	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.851	57	6089	0.017	ppbv #	1
45) t-1,3-Dichloropropene	9.233	75	178	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.758	75	33	0.000	ppbv #	24
47) 1,1,2-Trichloroethane	9.655	97	71	0.001	ppbv #	10
48) Dibromochloromethane	9.963	129	115	0.001	ppbv	84
49) Bromoform	12.970	173	105	0.001	ppbv #	49
50) 4-Methyl-2-Pentanone	8.722	43	39	0.000	ppbv #	39

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
51) 2-Hexanone	10.095	43	76	0.000	ppbv	#	28
52) Tetrachloroethene	11.204	164	13868m	0.186	ppbv		
53) Toluene	9.780	91	28334m	0.121	ppbv		
54) 1,2-Dibromoethane	10.777	107	87	0.001	ppbv	#	3
56) 1,1,1,2-Tetrachloroethane	12.317	131	114	0.001	ppbv	#	9
57) Chlorobenzene	12.127	112	103	0.001	ppbv	#	22
58) Ethyl Benzene	12.703	91	1406	0.005	ppbv		94
59) m/p-Xylene	12.966	91	1632	0.007	ppbv	#	33
60) o-Xylene	13.661	91	1104	0.005	ppbv	#	32
61) Styrene	13.503	104	104	0.001	ppbv	#	1
62) Isopropylbenzene	14.635	105	432	0.001	ppbv	#	87
63) 1,1,2,2-Tetrachloroethane	13.754	83	45	0.000	ppbv	#	2
64) n-propylbenzene	15.519	120	135	0.002	ppbv	#	1
65) tert-Butylbenzene	16.712	119	123	0.000	ppbv	#	63
66) Benzyl Chloride	16.950	91	72	0.002	ppbv	#	1
67) sec-Butylbenzene	17.249	105	194	0.000	ppbv	#	1
69) p-Isopropyltoluene	17.619	119	203	0.001	ppbv	#	47
70) n-Butylbenzene	18.510	91	101	0.000	ppbv	#	33
71) 2-Chlorotoluene	15.497	91	185	0.001	ppbv		83
72) 4-Ethyltoluene	15.809	105	349	0.001	ppbv	#	1
73) 1,3,5-Trimethylbenzene	15.966	105	347	0.001	ppbv	#	33
74) 1,2,4-Trimethylbenzene	16.728	105	1150	0.004	ppbv	#	36
75) 1,3-Dichlorobenzene	16.976	146	181	0.001	ppbv	#	1
76) 1,4-Dichlorobenzene	17.104	146	76	0.001	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.355	225	151	0.001	ppbv	#	45
79) Naphthalene	22.143	128	31	0.000	ppbv	#	69
81) 1,2,4-Trichlorobenzene	22.217	180	94	0.001	ppbv	#	11

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

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