

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039050.D
 Acq On : 13 May 2022 23:51
 Operator : SY/AP
 Sample : N2812-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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

Quant Time: May 14 00:57:15 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 00:57:15 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	942848	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.153	114	2306733	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	1914773	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1460557 9.632 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.038	85	20379m	0.138	ppbv	
3) Chlorodifluoromethane	2.983	51	352826	3.016	ppbv	95
4) Chloromethane	3.134	50	10533	0.180	ppbv	93
5) Vinyl Chloride	3.292	62	101	0.002	ppbv #	44
6) Bromomethane	3.359	94	31	0.001	ppbv #	1
7) Chloroethane	3.301	64	59	0.003	ppbv #	45
8) Dichlorotetrafluoroethane	3.185	85	360	0.003	ppbv #	1
9) Propene	3.015	41	36909m	0.722	ppbv	
10) Heptane	8.098	43	2384	0.019	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	4.475	101	607	0.007	ppbv #	15
13) Ethanol	3.587	45	2207464	610.519	ppbv	87
15) Acetone	3.841	43	222912	2.506	ppbv	97
18) 1,1-Dichloroethene	4.205	96	98	0.003	ppbv #	1
19) Isopropyl Alcohol	3.947	45	1324285	31.317	ppbv	100
20) Methylene Chloride	4.337	84	18689	0.558	ppbv	92
21) Allyl Chloride	4.713	41	1363	0.022	ppbv #	1
22) trans-1,2-Dichloroethene	4.848	96	134	0.003	ppbv #	1
24) 1,1-Dichloroethane	5.005	63	81	0.001	ppbv #	89
25) Ethyl Acetate	5.658	43	366283	1.721	ppbv #	87
27) Carbon Disulfide	4.533	76	969	0.011	ppbv #	68
28) Methyl tert-Butyl Ether	5.047	73	63	0.001	ppbv #	52
29) Chloroform	5.732	83	22828m	0.149	ppbv	
30) Cyclohexane	7.108	84	477	0.006	ppbv #	1
34) 2-Butanone	5.243	43	14857m	0.126	ppbv	
35) Carbon Tetrachloride	6.999	117	917	0.006	ppbv #	57
36) Benzene	6.870	78	2737	0.014	ppbv #	17
37) 1,2-Dichloroethane	6.282	62	224	0.002	ppbv #	83
38) Trichloroethene	7.832	130	98	0.001	ppbv #	1
40) 1,4-Dioxane	7.777	88	39	0.001	ppbv #	1
41) Tetrahydrofuran	6.025	42	642	0.008	ppbv #	36
42) Bromodichloromethane	7.758	83	144	0.001	ppbv #	24
43) Methyl Methacrylate	7.989	69	200	0.002	ppbv #	88
45) t-1,3-Dichloropropene	9.137	75	85	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.552	75	92	0.001	ppbv #	74
47) 1,1,2-Trichloroethane	9.304	97	90	0.001	ppbv #	14
48) Dibromochloromethane	10.487	129	71	0.001	ppbv	84
50) 4-Methyl-2-Pentanone	8.709	43	286	0.001	ppbv #	39
51) 2-Hexanone	10.092	43	319	0.002	ppbv #	28
52) Tetrachloroethene	11.208	164	5588m	0.079	ppbv	
53) Toluene	9.783	91	26482	0.120	ppbv	97
54) 1,2-Dibromoethane	10.516	107	65	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	12.085	131	86	0.001	ppbv #	1
57) Chlorobenzene	12.140	112	35	0.000	ppbv #	1

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 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
58) Ethyl Benzene	12.683	91	827	0.003	ppbv	#	71
59) m/p-Xylene	12.979	91	1733	0.007	ppbv	#	33
60) o-Xylene	13.667	91	2736	0.012	ppbv	#	32
61) Styrene	13.500	104	707	0.006	ppbv	#	1
62) Isopropylbenzene	14.635	105	704	0.002	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.638	83	85	0.001	ppbv	#	24
64) n-propylbenzene	15.323	120	76	0.001	ppbv	#	1
65) tert-Butylbenzene	16.715	119	569	0.002	ppbv	#	15
66) Benzyl Chloride	17.169	91	529	0.014	ppbv	#	89
67) sec-Butylbenzene	17.262	105	350	0.001	ppbv	#	60
69) p-Isopropyltoluene	17.625	119	5197	0.016	ppbv	#	33
70) n-Butylbenzene	18.519	91	305	0.001	ppbv	#	33
71) 2-Chlorotoluene	15.571	91	240	0.001	ppbv	#	76
72) 4-Ethyltoluene	15.818	105	811	0.003	ppbv	#	1
73) 1,3,5-Trimethylbenzene	15.966	105	433	0.002	ppbv	#	52
74) 1,2,4-Trimethylbenzene	16.735	105	5858	0.024	ppbv	#	44
75) 1,3-Dichlorobenzene	16.979	146	96	0.001	ppbv	#	1
76) 1,4-Dichlorobenzene	17.108	146	352	0.003	ppbv	#	23
77) 1,2-Dichlorobenzene	17.805	146	65	0.000	ppbv	#	1
79) Naphthalene	22.149	128	443	0.002	ppbv	#	69
80) Naphthalene,2-methyl-	25.001	142	171	0.003	ppbv	#	58
81) 1,2,4-Trichlorobenzene	21.902	180	53	0.000	ppbv	#	11

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

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