

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039047.D
 Acq On : 13 May 2022 21:48
 Operator : SY/AP
 Sample : N2812-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Manual Integrations APPROVED

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

Quant Time: May 14 00:56:29 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 00:56:29 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	5.648	49	965745	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2487143	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	2039006	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1506761 9.331 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	40003	0.264	ppbv #	87
3) Chlorodifluoromethane	2.983	51	41091m	0.343	ppbv	
4) Chloromethane	3.134	50	30962	0.516	ppbv	98
5) Vinyl Chloride	3.044	62	80	0.001	ppbv #	44
6) Bromomethane	3.468	94	34	0.001	ppbv	82
7) Chloroethane	3.539	64	369	0.020	ppbv #	45
8) Dichlorotetrafluoroethane	3.182	85	1805	0.013	ppbv #	16
9) Propene	3.012	41	33642	0.643	ppbv #	80
10) Heptane	8.095	43	3777	0.029	ppbv #	27
11) Trichlorofluoromethane	3.938	101	27594	0.213	ppbv	92
13) Ethanol	3.587	45	140228m	37.863	ppbv	
14) Bromoethene	3.899	108	91	0.002	ppbv #	1
15) Acetone	3.838	43	578936	6.355	ppbv	97
16) 1,3-Butadiene	3.320	39	582	0.011	ppbv #	1
17) tert-Butyl alcohol	4.269	59	297	0.004	ppbv #	70
18) 1,1-Dichloroethene	3.886	96	119	0.003	ppbv #	1
19) Isopropyl Alcohol	3.957	45	46330m	1.070	ppbv	
20) Methylene Chloride	4.330	84	878745	25.593	ppbv	97
21) Allyl Chloride	4.394	41	698	0.011	ppbv #	19
22) trans-1,2-Dichloroethene	4.816	96	113	0.003	ppbv #	1
24) 1,1-Dichloroethane	5.002	63	114	0.001	ppbv #	89
26) Hexane	5.671	57	976634	10.081	ppbv #	38
27) Carbon Disulfide	4.545	76	516	0.006	ppbv #	1
28) Methyl tert-Butyl Ether	5.025	73	68	0.001	ppbv #	52
29) Chloroform	5.771	83	48	0.000	ppbv	99
30) Cyclohexane	7.111	84	13001m	0.160	ppbv	
31) cis-1,2-Dichloroethene	5.635	61	52	0.001	ppbv #	27
32) 1,1,1-Trichloroethane	6.494	97	108	0.001	ppbv #	2
34) 2-Butanone	5.240	43	34798m	0.274	ppbv	
35) Carbon Tetrachloride	6.996	117	10459m	0.064	ppbv	
36) Benzene	6.870	78	31255	0.147	ppbv #	92
37) 1,2-Dichloroethane	6.279	62	653	0.005	ppbv #	83
38) Trichloroethene	7.832	130	154	0.002	ppbv #	1
40) 1,4-Dioxane	7.799	88	109	0.004	ppbv #	1
42) Bromodichloromethane	7.764	83	42	0.000	ppbv #	24
43) Methyl Methacrylate	7.983	69	29	0.000	ppbv #	1
44) 2,2,4-Trimethylpentane	7.848	57	47951m	0.128	ppbv	
45) t-1,3-Dichloropropene	9.079	75	76	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.709	75	81	0.001	ppbv #	24
47) 1,1,2-Trichloroethane	9.465	97	76	0.001	ppbv #	24
48) Dibromochloromethane	10.732	129	80	0.001	ppbv #	10
49) Bromoform	12.912	173	32	0.000	ppbv #	1
50) 4-Methyl-2-Pentanone	8.709	43	300	0.001	ppbv #	39

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 2-Hexanone	10.092	43	498	0.003	ppbv #	28
52) Tetrachloroethene	11.198	164	60395m	0.794	ppbv	
53) Toluene	9.783	91	120144	0.504	ppbv	97
54) 1,2-Dibromoethane	10.751	107	108	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	12.259	131	134	0.001	ppbv #	1
57) Chlorobenzene	12.114	112	46	0.000	ppbv #	18
59) m/p-Xylene	12.950	91	48377m	0.193	ppbv	
61) Styrene	13.503	104	1752	0.014	ppbv #	60
62) Isopropylbenzene	14.368	105	280	0.001	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.574	83	82	0.001	ppbv #	1
64) n-propylbenzene	15.551	120	104	0.001	ppbv	97
65) tert-Butylbenzene	16.709	119	208	0.001	ppbv #	15
66) Benzyl Chloride	16.957	91	136	0.003	ppbv #	70
67) sec-Butylbenzene	17.256	105	594	0.001	ppbv #	60
69) p-Isopropyltoluene	17.609	119	200	0.001	ppbv #	1
70) n-Butylbenzene	18.506	91	469	0.001	ppbv #	33
71) 2-Chlorotoluene	15.397	91	74	0.000	ppbv	80
72) 4-Ethyltoluene	15.809	105	1889	0.007	ppbv #	26
73) 1,3,5-Trimethylbenzene	15.960	105	2173	0.009	ppbv	89
75) 1,3-Dichlorobenzene	17.098	146	314	0.002	ppbv #	31
76) 1,4-Dichlorobenzene	17.108	146	479	0.003	ppbv #	23
77) 1,2-Dichlorobenzene	17.786	146	142	0.001	ppbv	84
79) Naphthalene	22.140	128	211	0.001	ppbv #	69
80) Naphthalene,2-methyl-	24.879	142	139	0.002	ppbv #	48
81) 1,2,4-Trichlorobenzene	21.918	180	118	0.001	ppbv #	59

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

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