

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039043.D
 Acq On : 13 May 2022 19:01
 Operator : SY/AP
 Sample : N2812-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt
 05/15/2022

Supervised By : Mahesh
 Dadoda
 05/17/2022

Quant Time: May 14 00:55:25 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	855214	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2120588	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	1768632	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1370377 9.784 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	28502	0.213	ppbv	90
3) Chlorodifluoromethane	2.980	51	42076m	0.396	ppbv	
4) Chloromethane	3.134	50	41698	0.785	ppbv	95
5) Vinyl Chloride	3.256	62	134	0.003	ppbv #	44
6) Bromomethane	3.465	94	166	0.007	ppbv #	1
7) Chloroethane	3.552	64	265	0.016	ppbv	98
8) Dichlorotetrafluoroethane	3.185	85	1281	0.011	ppbv #	15
9) Propene	3.012	41	74666	1.611	ppbv #	70
10) Heptane	8.105	43	41691	0.367	ppbv	95
11) Trichlorofluoromethane	3.941	101	24641	0.214	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.472	101	1683	0.021	ppbv #	1
13) Ethanol	3.610	45	15250640	4650.080	ppbv	97
15) Acetone	3.835	43	1262065	15.644	ppbv	99
17) tert-Butyl alcohol	4.295	59	73781m	1.190	ppbv	
18) 1,1-Dichloroethene	4.272	96	60	0.002	ppbv #	33
19) Isopropyl Alcohol	3.967	45	3898425	101.637	ppbv	99
20) Methylene Chloride	4.333	84	225689	7.423	ppbv	97
22) trans-1,2-Dichloroethene	4.877	96	163	0.004	ppbv #	3
24) 1,1-Dichloroethane	4.999	63	110	0.001	ppbv #	89
26) Hexane	5.671	57	316175	3.685	ppbv #	45
27) Carbon Disulfide	4.539	76	2236	0.027	ppbv #	63
28) Methyl tert-Butyl Ether	5.028	73	136	0.002	ppbv #	52
29) Chloroform	5.735	83	132182	0.952	ppbv	89
30) Cyclohexane	7.111	84	14485	0.202	ppbv #	19
31) cis-1,2-Dichloroethene	5.539	61	10017	0.115	ppbv	95
32) 1,1,1-Trichloroethane	6.488	97	42	0.000	ppbv #	1
34) 2-Butanone	5.227	43	368433	3.406	ppbv	99
35) Carbon Tetrachloride	6.992	117	9127m	0.065	ppbv	
36) Benzene	6.873	78	37557m	0.207	ppbv	
37) 1,2-Dichloroethane	6.285	62	2064	0.018	ppbv #	83
38) Trichloroethene	7.819	130	8925m	0.111	ppbv	
40) 1,4-Dioxane	7.803	88	119	0.005	ppbv #	1
41) Tetrahydrofuran	6.034	42	70653	0.972	ppbv	92
43) Methyl Methacrylate	7.986	69	218	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.844	57	39289	0.123	ppbv #	80
45) t-1,3-Dichloropropene	9.253	75	153	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.780	75	64	0.001	ppbv #	1
47) 1,1,2-Trichloroethane	9.201	97	100	0.001	ppbv #	14
48) Dibromochloromethane	10.269	129	234	0.002	ppbv #	10
49) Bromoform	13.002	173	110	0.001	ppbv #	26
50) 4-Methyl-2-Pentanone	8.716	43	2046	0.011	ppbv #	39
51) 2-Hexanone	10.089	43	742	0.005	ppbv #	28
52) Tetrachloroethene	11.208	164	5013865	77.313	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
53) Toluene	9.783	91	117869	0.579	ppbv	98	
54) 1,2-Dibromoethane	10.587	107	46	0.000	ppbv #	3	
56) 1,1,1,2-Tetrachloroethane	12.101	131	240	0.003	ppbv #	9	
57) Chlorobenzene	12.127	112	926	0.007	ppbv #	1	
59) m/p-Xylene	12.941	91	58847m	0.271	ppbv		
60) o-Xylene	13.674	91	24347m	0.119	ppbv		
61) Styrene	13.503	104	1044	0.010	ppbv #	1	
62) Isopropylbenzene	14.638	105	3130	0.010	ppbv #	49	
63) 1,1,2,2-Tetrachloroethane	13.648	83	133	0.001	ppbv #	24	
64) n-propylbenzene	15.545	120	784	0.011	ppbv #	1	
65) tert-Butylbenzene	16.715	119	598	0.002	ppbv #	15	
66) Benzyl Chloride	16.953	91	231	0.007	ppbv #	70	
67) sec-Butylbenzene	17.265	105	2031	0.005	ppbv #	62	
69) p-Isopropyltoluene	17.622	119	2314	0.008	ppbv #	1	
70) n-Butylbenzene	18.516	91	487	0.002	ppbv #	33	
71) 2-Chlorotoluene	15.429	91	541	0.002	ppbv	69	
72) 4-Ethyltoluene	15.809	105	6772	0.029	ppbv #	44	
74) 1,2,4-Trimethylbenzene	16.735	105	38572m	0.168	ppbv		
75) 1,3-Dichlorobenzene	16.969	146	455	0.004	ppbv #	1	
76) 1,4-Dichlorobenzene	17.111	146	17882m	0.144	ppbv		
77) 1,2-Dichlorobenzene	17.786	146	281	0.002	ppbv #	1	
78) Hexachloro-1,3-Butadiene	23.336	225	245	0.002	ppbv #	18	
79) Naphthalene	22.149	128	4188	0.022	ppbv #	84	
80) Naphthalene,2-methyl-	24.972	142	1121	0.020	ppbv #	54	
81) 1,2,4-Trichlorobenzene	21.882	180	217	0.002	ppbv #	1	

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

