

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039045.D
 Acq On : 13 May 2022 20:25
 Operator : SY/AP
 Sample : N2812-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: May 14 00:55:59 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 00:55:59 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.652	49	887055	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2159963	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	1739938	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1333042	9.674	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	30172	0.217	ppbv	98
3) Chlorodifluoromethane	2.980	51	61499	0.559	ppbv #	85
4) Chloromethane	3.131	50	28474	0.517	ppbv	100
5) Vinyl Chloride	3.066	62	88	0.002	ppbv #	44
6) Bromomethane	3.462	94	30	0.001	ppbv #	1
7) Chloroethane	3.552	64	332	0.020	ppbv #	45
8) Dichlorotetrafluoroethane	3.176	85	1188	0.009	ppbv #	44
9) Propene	3.015	41	22197m	0.462	ppbv	
10) Heptane	8.111	43	12908m	0.109	ppbv	
11) Trichlorofluoromethane	3.944	101	29074m	0.244	ppbv	
13) Ethanol	3.597	45	193859	56.988	ppbv	91
14) Bromoethene	4.179	108	71	0.002	ppbv #	1
15) Acetone	3.838	43	558830	6.679	ppbv	99
16) 1,3-Butadiene	3.324	39	628	0.013	ppbv #	9
17) tert-Butyl alcohol	4.266	59	522	0.008	ppbv #	70
18) 1,1-Dichloroethene	4.198	96	80	0.002	ppbv #	1
19) Isopropyl Alcohol	3.957	45	123785	3.111	ppbv #	89
20) Methylene Chloride	4.330	84	313841	9.951	ppbv	95
21) Allyl Chloride	4.407	41	925	0.016	ppbv #	19
22) trans-1,2-Dichloroethene	4.893	96	168	0.004	ppbv #	46
24) 1,1-Dichloroethane	4.986	63	119	0.002	ppbv #	89
26) Hexane	5.674	57	347518	3.905	ppbv #	40
27) Carbon Disulfide	4.542	76	988	0.012	ppbv #	1
28) Methyl tert-Butyl Ether	5.028	73	67	0.001	ppbv #	52
29) Chloroform	5.732	83	16295m	0.113	ppbv	
30) Cyclohexane	7.108	84	14144m	0.190	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	1656	0.018	ppbv #	77
32) 1,1,1-Trichloroethane	6.497	97	161	0.001	ppbv #	55
34) 2-Butanone	5.227	43	785164	7.125	ppbv	99
35) Carbon Tetrachloride	7.002	117	9018m	0.063	ppbv	
36) Benzene	6.873	78	26645	0.144	ppbv #	89
37) 1,2-Dichloroethane	6.288	62	727	0.006	ppbv #	83
40) 1,4-Dioxane	7.812	88	98	0.004	ppbv #	1
41) Tetrahydrofuran	6.034	42	197804m	2.671	ppbv	
42) Bromodichloromethane	7.770	83	327	0.002	ppbv #	94
43) Methyl Methacrylate	7.995	69	83	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.848	57	30940m	0.095	ppbv	
45) t-1,3-Dichloropropene	9.240	75	89	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.343	75	88	0.001	ppbv #	1
47) 1,1,2-Trichloroethane	9.542	97	73	0.001	ppbv #	14
48) Dibromochloromethane	10.404	129	113	0.001	ppbv #	10
49) Bromoform	12.719	173	70	0.001	ppbv	89
50) 4-Methyl-2-Pentanone	8.706	43	45	0.000	ppbv #	39

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 2-Hexanone	10.095	43	187	0.001	ppbv #	28
52) Tetrachloroethene	11.201	164	2048073	31.005	ppbv	98
53) Toluene	9.780	91	75650	0.365	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.098	131	147	0.002	ppbv #	9
57) Chlorobenzene	12.124	112	134	0.001	ppbv #	40
58) Ethyl Benzene	12.928	91	5876	0.023	ppbv	92
59) m/p-Xylene	12.934	91	32024m	0.150	ppbv	
61) Styrene	13.503	104	459	0.004	ppbv #	25
62) Isopropylbenzene	14.632	105	440	0.001	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.497	83	448	0.004	ppbv #	82
64) n-propylbenzene	15.748	120	1344	0.019	ppbv	73
65) tert-Butylbenzene	16.706	119	292	0.001	ppbv #	15
66) Benzyl Chloride	16.950	91	158	0.005	ppbv #	70
67) sec-Butylbenzene	17.252	105	302	0.001	ppbv #	60
69) p-Isopropyltoluene	17.619	119	1194	0.004	ppbv #	47
70) n-Butylbenzene	18.513	91	893	0.003	ppbv #	33
71) 2-Chlorotoluene	15.420	91	128	0.001	ppbv #	45
72) 4-Ethyltoluene	15.805	105	4790	0.021	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.738	105	32778	0.145	ppbv #	73
75) 1,3-Dichlorobenzene	16.957	146	154	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	17.104	146	1030	0.008	ppbv #	1
77) 1,2-Dichlorobenzene	17.773	146	727	0.006	ppbv #	22
79) Naphthalene	22.146	128	1420	0.008	ppbv #	79
80) Naphthalene,2-methyl-	24.950	142	290	0.005	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.895	180	161	0.001	ppbv #	1

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

