

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039044.D
 Acq On : 13 May 2022 19:42
 Operator : SY/AP
 Sample : N2812-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

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

Quant Time: May 14 00:55:46 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 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	950022	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.156	114	2304083	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	1925572	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1446725	9.487	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.066	85	1595	0.011	ppbv	94
3) Chlorodifluoromethane	2.980	51	12581m	0.107	ppbv	
4) Chloromethane	3.124	50	13143m	0.223	ppbv	
5) Vinyl Chloride	3.481	62	80	0.001	ppbv #	44
6) Bromomethane	3.565	94	31	0.001	ppbv #	1
7) Chloroethane	3.558	64	106	0.006	ppbv #	45
8) Dichlorotetrafluoroethane	3.179	85	481	0.004	ppbv #	56
9) Propene	3.009	41	32064	0.623	ppbv #	68
12) 1,1,2-Trichlorotrifluoro...	4.025	101	203	0.002	ppbv	92
13) Ethanol	3.591	45	5015992	1376.798	ppbv	88
14) Bromoethene	3.774	108	121	0.003	ppbv #	1
15) Acetone	3.838	43	321630	3.589	ppbv	100
17) tert-Butyl alcohol	4.275	59	17292m	0.251	ppbv	
18) 1,1-Dichloroethene	4.349	96	69	0.002	ppbv #	1
19) Isopropyl Alcohol	3.954	45	1015640	23.836	ppbv	99
20) Methylene Chloride	4.337	84	66628m	1.973	ppbv	
21) Allyl Chloride	4.346	41	1073	0.018	ppbv #	1
22) trans-1,2-Dichloroethene	4.902	96	78	0.002	ppbv #	1
24) 1,1-Dichloroethane	4.854	63	99	0.001	ppbv #	89
26) Hexane	5.671	57	81204	0.852	ppbv #	46
27) Carbon Disulfide	4.542	76	777	0.009	ppbv #	61
28) Methyl tert-Butyl Ether	5.057	73	89	0.001	ppbv #	1
29) Chloroform	5.732	83	31667	0.205	ppbv	95
30) Cyclohexane	7.111	84	1228	0.015	ppbv #	1
31) cis-1,2-Dichloroethene	5.536	61	1364	0.014	ppbv #	41
34) 2-Butanone	5.234	43	78716	0.670	ppbv	92
36) Benzene	6.873	78	3706	0.019	ppbv #	79
37) 1,2-Dichloroethane	6.288	62	91	0.001	ppbv #	83
38) Trichloroethene	7.815	130	1099	0.013	ppbv #	21
40) 1,4-Dioxane	7.803	88	68	0.002	ppbv #	1
41) Tetrahydrofuran	6.044	42	19262m	0.244	ppbv	
42) Bromodichloromethane	7.764	83	1017	0.006	ppbv #	94
43) Methyl Methacrylate	7.989	69	180	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	7.844	57	5152	0.015	ppbv #	43
45) t-1,3-Dichloropropene	9.349	75	59	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	9.073	75	81	0.001	ppbv #	1
47) 1,1,2-Trichloroethane	9.622	97	83	0.001	ppbv #	14
48) Dibromochloromethane	10.494	129	87	0.001	ppbv	64
49) Bromoform	13.249	173	55	0.001	ppbv #	46
50) 4-Methyl-2-Pentanone	8.703	43	269	0.001	ppbv #	39
51) 2-Hexanone	10.098	43	319	0.002	ppbv #	28
52) Tetrachloroethene	11.201	164	1426051	20.238	ppbv	95
53) Toluene	9.786	91	25930	0.117	ppbv	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
54) 1,2-Dibromoethane	10.584	107	225	0.002	ppbv	#	3
56) 1,1,1,2-Tetrachloroethane	12.098	131	74	0.001	ppbv	#	9
57) Chlorobenzene	12.124	112	272	0.002	ppbv	#	50
58) Ethyl Benzene	12.931	91	3185	0.011	ppbv	#	93
59) m/p-Xylene	12.973	91	2613	0.011	ppbv	#	33
60) o-Xylene	13.667	91	1202	0.005	ppbv	#	1
61) Styrene	13.497	104	979	0.008	ppbv	#	25
62) Isopropylbenzene	14.368	105	306	0.001	ppbv	#	91
63) 1,1,2,2-Tetrachloroethane	13.712	83	154	0.001	ppbv	#	96
64) n-propylbenzene	15.532	120	53	0.001	ppbv	#	1
65) tert-Butylbenzene	16.712	119	118	0.000	ppbv	#	15
66) Benzyl Chloride	16.937	91	95	0.003	ppbv	#	1
67) sec-Butylbenzene	17.259	105	382	0.001	ppbv	#	60
69) p-Isopropyltoluene	17.616	119	594	0.002	ppbv	#	47
70) n-Butylbenzene	18.513	91	200	0.001	ppbv	#	33
71) 2-Chlorotoluene	15.256	91	690	0.003	ppbv	#	72
72) 4-Ethyltoluene	15.812	105	1387	0.005	ppbv	#	55
73) 1,3,5-Trimethylbenzene	15.976	105	933	0.004	ppbv	#	63
74) 1,2,4-Trimethylbenzene	16.725	105	2330	0.009	ppbv	#	52
75) 1,3-Dichlorobenzene	16.957	146	30	0.000	ppbv	#	1
76) 1,4-Dichlorobenzene	17.108	146	1915	0.014	ppbv	#	23
77) 1,2-Dichlorobenzene	18.101	146	75	0.001	ppbv	#	80
79) Naphthalene	22.149	128	395	0.002	ppbv	#	8
80) Naphthalene,2-methyl-	25.053	142	40	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	21.886	180	31	0.000	ppbv	#	1

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

