

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039052.D
 Acq On : 14 May 2022 1:13
 Operator : SY/AP
 Sample : N2828-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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

Quant Time: May 14 03:49:03 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 03:49:03 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	876030	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	2082637	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1707861	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1389485 10.273 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.044	85	18967m	0.138	ppbv	
3) Chlorodifluoromethane	2.976	51	44194m	0.407	ppbv	
4) Chloromethane	3.140	50	10315m	0.189	ppbv	
5) Vinyl Chloride	3.153	62	42	0.001	ppbv #	1
6) Bromomethane	3.346	94	95	0.004	ppbv #	1
7) Chloroethane	3.555	64	138	0.008	ppbv #	45
8) Dichlorotetrafluoroethane	3.179	85	1054	0.008	ppbv #	49
9) Propene	3.018	41	147035m	3.097	ppbv	
10) Heptane	8.102	43	2412	0.021	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	4.472	101	1112	0.014	ppbv #	15
13) Ethanol	3.594	45	722362m	215.022	ppbv	
14) Bromoethene	3.825	108	117	0.003	ppbv #	1
15) Acetone	3.845	43	131559	1.592	ppbv	90
17) tert-Butyl alcohol	4.275	59	523	0.008	ppbv #	70
18) 1,1-Dichloroethene	4.401	96	133	0.004	ppbv #	1
19) Isopropyl Alcohol	3.957	45	256812	6.536	ppbv	100
20) Methylene Chloride	4.333	84	39804m	1.278	ppbv	
21) Allyl Chloride	4.417	41	479	0.009	ppbv #	19
22) trans-1,2-Dichloroethene	4.877	96	115	0.003	ppbv #	68
24) 1,1-Dichloroethane	4.999	63	57	0.001	ppbv #	89
25) Ethyl Acetate	5.664	43	74635m	0.377	ppbv	
27) Carbon Disulfide	4.549	76	446	0.005	ppbv #	1
28) Methyl tert-Butyl Ether	5.034	73	100	0.001	ppbv #	52
29) Chloroform	5.735	83	32220	0.227	ppbv #	76
30) Cyclohexane	7.118	84	865	0.012	ppbv #	1
31) cis-1,2-Dichloroethene	5.661	61	565	0.006	ppbv #	42
35) Carbon Tetrachloride	7.005	117	1188	0.009	ppbv #	46
37) 1,2-Dichloroethane	6.288	62	521	0.005	ppbv #	83
38) Trichloroethene	7.809	130	89	0.001	ppbv #	1
40) 1,4-Dioxane	7.819	88	146	0.006	ppbv #	1
41) Tetrahydrofuran	6.070	42	383	0.005	ppbv #	53
42) Bromodichloromethane	7.764	83	200	0.001	ppbv #	24
43) Methyl Methacrylate	8.002	69	240	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.851	57	35348	0.113	ppbv #	80
45) t-1,3-Dichloropropene	9.619	75	137	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.838	75	72	0.001	ppbv #	24
47) 1,1,2-Trichloroethane	9.661	97	191	0.003	ppbv #	14
48) Dibromochloromethane	10.227	129	70	0.001	ppbv #	10
50) 4-Methyl-2-Pentanone	8.719	43	94	0.001	ppbv #	39
51) 2-Hexanone	10.108	43	54	0.000	ppbv #	28
52) Tetrachloroethene	11.195	164	10943m	0.172	ppbv	
53) Toluene	9.783	91	63539m	0.318	ppbv	
54) 1,2-Dibromoethane	10.558	107	69	0.001	ppbv #	3

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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)	
56) 1,1,1,2-Tetrachloroethane	12.201	131	80	0.001	ppbv	#	1
57) Chlorobenzene	12.140	112	37	0.000	ppbv	#	22
58) Ethyl Benzene	12.683	91	4004	0.016	ppbv		97
59) m/p-Xylene	12.941	91	31045m	0.148	ppbv		
60) o-Xylene	13.671	91	2234	0.011	ppbv	#	1
61) Styrene	13.500	104	889	0.008	ppbv	#	10
62) Isopropylbenzene	14.635	105	286	0.001	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.661	83	172	0.001	ppbv	#	87
64) n-propylbenzene	15.828	120	313	0.004	ppbv		93
65) tert-Butylbenzene	16.712	119	86	0.000	ppbv	#	15
66) Benzyl Chloride	16.921	91	64	0.002	ppbv	#	1
67) sec-Butylbenzene	17.262	105	158	0.000	ppbv	#	60
69) p-Isopropyltoluene	17.622	119	1447	0.005	ppbv	#	1
70) n-Butylbenzene	18.519	91	338	0.001	ppbv	#	33
71) 2-Chlorotoluene	15.275	91	2083	0.009	ppbv		70
72) 4-Ethyltoluene	15.809	105	2578	0.011	ppbv	#	25
73) 1,3,5-Trimethylbenzene	15.966	105	2374	0.012	ppbv	#	63
75) 1,3-Dichlorobenzene	17.098	146	254	0.002	ppbv	#	66
76) 1,4-Dichlorobenzene	17.111	146	246	0.002	ppbv	#	23
77) 1,2-Dichlorobenzene	17.789	146	42	0.000	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.693	225	112	0.001	ppbv	#	18
79) Naphthalene	22.156	128	153	0.001	ppbv	#	69
81) 1,2,4-Trichlorobenzene	21.918	180	187	0.002	ppbv	#	24

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

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