

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039056.D
 Acq On : 14 May 2022 3:55
 Operator : SY/AP
 Sample : N2828-06DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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

Quant Time: May 14 07:20:15 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 07:20:15 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	5.655	49	899116	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	2466132	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	2050473	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1568055	9.656	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.983	51	536574	4.809	ppbv	95
4) Chloromethane	3.144	50	1046	0.019	ppbv #	41
5) Vinyl Chloride	3.131	62	42	0.001	ppbv #	1
6) Bromomethane	3.597	94	75	0.003	ppbv #	1
7) Chloroethane	3.546	64	181	0.011	ppbv #	47
8) Dichlorotetrafluoroethane	3.189	85	104	0.001	ppbv #	60
9) Propene	3.015	41	25939m	0.532	ppbv	
11) Trichlorofluoromethane	3.941	101	2023	0.017	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.472	101	373	0.004	ppbv	84
13) Ethanol	3.594	45	641001	185.905	ppbv	90
14) Bromoethene	3.989	108	76	0.002	ppbv #	4
15) Acetone	3.845	43	181018	2.134	ppbv	90
16) 1,3-Butadiene	3.317	39	1329	0.027	ppbv	87
17) tert-Butyl alcohol	4.292	59	13931m	0.214	ppbv	
18) 1,1-Dichloroethene	4.279	96	31	0.001	ppbv #	1
19) Isopropyl Alcohol	3.954	45	177014m	4.390	ppbv	
20) Methylene Chloride	4.333	84	8753m	0.274	ppbv	
21) Allyl Chloride	4.411	41	239	0.004	ppbv #	1
22) trans-1,2-Dichloroethene	4.784	96	174	0.004	ppbv #	29
23) Vinyl Acetate	5.063	43	240429	3.583	ppbv #	93
24) 1,1-Dichloroethane	4.999	63	81	0.001	ppbv #	89
25) Ethyl Acetate	5.665	43	154780	0.762	ppbv #	92
27) Carbon Disulfide	4.542	76	1205	0.014	ppbv #	1
28) Methyl tert-Butyl Ether	5.031	73	148	0.002	ppbv #	1
29) Chloroform	5.738	83	39630m	0.272	ppbv	
30) Cyclohexane	7.118	84	305	0.004	ppbv #	1
32) 1,1,1-Trichloroethane	6.144	97	65	0.000	ppbv #	1
34) 2-Butanone	5.237	43	90315	0.718	ppbv #	89
35) Carbon Tetrachloride	7.002	117	602	0.004	ppbv #	71
36) Benzene	6.877	78	2688	0.013	ppbv #	77
37) 1,2-Dichloroethane	6.288	62	293	0.002	ppbv #	56
38) Trichloroethene	7.822	130	290	0.003	ppbv #	35
40) 1,4-Dioxane	7.799	88	267	0.009	ppbv #	1
41) Tetrahydrofuran	6.018	42	973	0.012	ppbv #	36
42) Bromodichloromethane	7.767	83	242	0.001	ppbv #	24
43) Methyl Methacrylate	7.996	69	66	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.848	57	1070	0.003	ppbv #	43
45) t-1,3-Dichloropropene	9.227	75	99	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.388	75	61	0.001	ppbv #	24
47) 1,1,2-Trichloroethane	9.446	97	46	0.001	ppbv #	14
48) Dibromochloromethane	10.121	129	65	0.000	ppbv	72
49) Bromoform	13.037	173	113	0.001	ppbv #	58
50) 4-Methyl-2-Pentanone	8.716	43	320	0.001	ppbv #	39

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

51) 2-Hexanone	10.127	43	44914m	0.279	ppbv	
53) Toluene	9.777	91	4117	0.017	ppbv #	1
56) 1,1,1,2-Tetrachloroethane	12.185	131	74	0.001	ppbv #	1
57) Chlorobenzene	12.114	112	87	0.001	ppbv #	53
58) Ethyl Benzene	12.912	91	151	0.001	ppbv	97
59) m/p-Xylene	12.973	91	677	0.003	ppbv #	33
60) o-Xylene	13.664	91	1172	0.005	ppbv #	32
61) Styrene	13.510	104	457	0.004	ppbv #	25
62) Isopropylbenzene	14.388	105	870	0.003	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.661	83	485	0.003	ppbv #	54
64) n-propylbenzene	15.555	120	251	0.003	ppbv	84
65) tert-Butylbenzene	16.722	119	46	0.000	ppbv #	15
66) Benzyl Chloride	16.960	91	147	0.004	ppbv #	1
67) sec-Butylbenzene	17.233	105	149	0.000	ppbv #	1
69) p-Isopropyltoluene	17.622	119	1215	0.003	ppbv #	1
70) n-Butylbenzene	18.523	91	549	0.001	ppbv #	43
71) 2-Chlorotoluene	15.143	91	393	0.001	ppbv	93
72) 4-Ethyltoluene	15.815	105	420	0.002	ppbv #	22
73) 1,3,5-Trimethylbenzene	15.973	105	412	0.002	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.728	105	2428	0.009	ppbv #	35
75) 1,3-Dichlorobenzene	16.976	146	42	0.000	ppbv #	1
76) 1,4-Dichlorobenzene	17.114	146	339	0.002	ppbv #	37
77) 1,2-Dichlorobenzene	17.921	146	54	0.000	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.542	225	158	0.001	ppbv #	72
79) Naphthalene	22.149	128	87	0.000	ppbv #	69
80) Naphthalene,2-methyl-	25.021	142	46	0.001	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.860	180	69	0.001	ppbv #	43

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

