

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091922\
 Data File : VL039628.D
 Acq On : 19 Sep 2022 9:44
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 19 11:17:32 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1180174	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3136453	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	3024953	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2233180 9.786 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	286536	1.825	ppbv	94
3) Chlorodifluoromethane	2.693	51	292474	2.080	ppbv	95
4) Chloromethane	2.835	50	179543	2.120	ppbv	99
5) Vinyl Chloride	2.941	62	145933	2.135	ppbv	93
6) Bromomethane	3.144	94	52704	1.818	ppbv	93
7) Chloroethane	3.217	64	53158	2.076	ppbv	99
8) Dichlorotetrafluoroethane	2.877	85	348388	2.074	ppbv	96
9) Propene	2.716	41	128881	2.003	ppbv	94
10) Heptane	7.587	43	323467	2.171	ppbv	99
11) Trichlorofluoromethane	3.584	101	346200	2.009	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.082	101	264697	2.076	ppbv	98
13) Ethanol	3.263	45	9415m	2.036	ppbv	
14) Bromoethene	3.388	108	105400	2.023	ppbv	92
15) Acetone	3.488	43	292301	2.211	ppbv	96
16) 1,3-Butadiene	3.005	39	141219	2.047	ppbv	98
17) tert-Butyl alcohol	3.902	59	231443	2.051	ppbv	100
18) 1,1-Dichloroethene	3.902	96	114853	2.000	ppbv	91
19) Isopropyl Alcohol	3.597	45	123526	1.921	ppbv	98
20) Methylene Chloride	3.954	84	137734	2.564	ppbv	97
21) Allyl Chloride	4.015	41	179692	2.090	ppbv	98
22) trans-1,2-Dichloroethene	4.462	96	119944m	2.100	ppbv	
23) Vinyl Acetate	4.645	43	118009	1.877	ppbv #	97
24) 1,1-Dichloroethane	4.581	63	240664	2.068	ppbv	99
25) Ethyl Acetate	5.224	43	622703	2.201	ppbv	99
26) Hexane	5.227	57	265764	2.302	ppbv	98
27) Carbon Disulfide	4.144	76	261151	2.117	ppbv	96
28) Methyl tert-Butyl Ether	4.607	73	210054	2.109	ppbv	100
29) Chloroform	5.288	83	361641	2.003	ppbv	99
30) Cyclohexane	6.616	84	196026	2.050	ppbv	94
31) cis-1,2-Dichloroethene	5.095	61	227699	2.036	ppbv	97
32) 1,1,1-Trichloroethane	6.015	97	352470	2.219	ppbv	98
34) 2-Butanone	4.806	43	313824	2.013	ppbv	100
35) Carbon Tetrachloride	6.504	117	361107	2.130	ppbv	98
36) Benzene	6.381	78	511771	2.141	ppbv #	91
37) 1,2-Dichloroethane	5.815	62	262039	1.990	ppbv	98
38) Trichloroethene	7.301	130	286901	2.240	ppbv	93
39) 1,2-Dichloropropane	7.086	63	193996	2.158	ppbv	97
40) 1,4-Dioxane	7.311	88	77077m	2.190	ppbv	
41) Tetrahydrofuran	5.584	42	194988	2.093	ppbv	99
42) Bromodichloromethane	7.259	83	379980	2.109	ppbv	94
43) Methyl Methacrylate	7.491	69	188094	2.182	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	887328	2.202	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	147652m	1.967	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	214541	2.063	ppbv	94
47) 1,1,2-Trichloroethane	8.905	97	212533	2.070	ppbv	98
48) Dibromochloromethane	9.716	129	321508	2.125	ppbv	98
49) Bromoform	12.410	173	251156	2.004	ppbv	97
50) 4-Methyl-2-Pentanone	8.198	43	511676	2.106	ppbv	100
51) 2-Hexanone	9.568	43	369085	2.064	ppbv #	96
52) Tetrachloroethene	10.622	164	191599	2.118	ppbv	94
53) Toluene	9.230	91	574084	2.145	ppbv	100
54) 1,2-Dibromoethane	10.015	107	233208	2.031	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.519	131	256007	2.083	ppbv #	1
57) Chlorobenzene	11.532	112	467280	2.071	ppbv	95
58) Ethyl Benzene	12.095	91	773280	2.225	ppbv	95
59) m/p-Xylene	12.378	91	1345481m	4.315	ppbv	
60) o-Xylene	13.066	91	650279	2.173	ppbv	99
61) Styrene	12.905	104	349189	2.191	ppbv	99
62) Isopropylbenzene	14.037	105	973909	2.152	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	262164	1.850	ppbv	98
64) n-propylbenzene	14.924	120	247646	2.105	ppbv	90
65) tert-Butylbenzene	16.095	119	895168	2.225	ppbv	99
66) Benzyl Chloride	16.333	91	57367m	1.755	ppbv	
67) sec-Butylbenzene	16.641	105	1243291	2.182	ppbv	98
69) p-Isopropyltoluene	17.002	119	1040182m	2.199	ppbv	
70) n-Butylbenzene	17.895	91	997282	2.119	ppbv	99
71) 2-Chlorotoluene	14.809	91	707446	2.158	ppbv	98
72) 4-Ethyltoluene	15.204	105	771034m	2.203	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	690053	2.158	ppbv	97
74) 1,2,4-Trimethylbenzene	16.114	105	760968	2.135	ppbv	92
75) 1,3-Dichlorobenzene	16.336	146	446572	2.061	ppbv	98
76) 1,4-Dichlorobenzene	16.477	146	459890m	2.131	ppbv	
77) 1,2-Dichlorobenzene	17.149	146	436332	2.057	ppbv	98
78) Hexachloro-1,3-Butadiene	22.638	225	351007	2.077	ppbv	98
79) Naphthalene	21.394	128	570957	2.250	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	183571	1.782	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	336106	1.983	ppbv	99

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

