

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039538.D
 Acq On : 17 Aug 2022 4:56
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/18/2022
 Supervised By : Mahesh Dadoda 08/19/2022

Quant Time: Aug 17 05:29:00 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 2022

QLast Update : Wed Aug 17 04:35:27 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.204	49	1099287	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2948684	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.467	117	2739517	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.776 95 2077952 10.216 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.751	85	192381m	1.241	ppbv	
3) Chlorodifluoromethane	2.696	51	144892	1.049	ppbv	96
4) Chloromethane	2.831	50	85024	1.106	ppbv	90
5) Vinyl Chloride	2.940	62	69090	0.923	ppbv	98
6) Bromomethane	3.143	94	30454m	0.992	ppbv	
7) Chloroethane	3.217	64	26080m	0.987	ppbv	
8) Dichlorotetrafluoroethane	2.876	85	172437	1.010	ppbv	95
9) Propene	2.715	41	62441	0.998	ppbv	92
10) Heptane	7.583	43	145516	0.997	ppbv	100
11) Trichlorofluoromethane	3.584	101	170053	0.978	ppbv	96
12) 1,1,2-Trichlorotrifluoro...	4.085	101	121873	0.947	ppbv	96
13) Ethanol	3.275	45	5152m	1.415	ppbv	
14) Bromoethene	3.387	108	47104m	0.866	ppbv	
15) Acetone	3.494	43	133818	1.045	ppbv	93
16) 1,3-Butadiene	3.005	39	66360	0.993	ppbv	95
17) tert-Butyl alcohol	3.902	59	119284m	1.109	ppbv	
18) 1,1-Dichloroethene	3.899	96	57381m	0.983	ppbv	
19) Isopropyl Alcohol	3.606	45	67883m	1.002	ppbv	
20) Methylene Chloride	3.950	84	54965	1.078	ppbv #	88
21) Allyl Chloride	4.014	41	84928m	0.957	ppbv	
22) trans-1,2-Dichloroethene	4.461	96	57406m	1.022	ppbv	
23) Vinyl Acetate	4.645	43	53737	0.659	ppbv #	89
24) 1,1-Dichloroethane	4.577	63	114125	0.944	ppbv	98
25) Ethyl Acetate	5.220	43	283903m	1.073	ppbv	
26) Hexane	5.223	57	116224	1.102	ppbv	93
27) Carbon Disulfide	4.146	76	112221	0.882	ppbv	96
28) Methyl tert-Butyl Ether	4.612	73	102014	0.915	ppbv	96
29) Chloroform	5.284	83	179475	0.980	ppbv	96
30) Cyclohexane	6.616	84	93686m	0.975	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	115083m	1.028	ppbv	
32) 1,1,1-Trichloroethane	6.011	97	165417	0.914	ppbv	99
34) 2-Butanone	4.809	43	157112	1.072	ppbv	96
35) Carbon Tetrachloride	6.506	117	166398m	0.926	ppbv	
36) Benzene	6.381	78	234389	1.032	ppbv	96
37) 1,2-Dichloroethane	5.815	62	132493	0.999	ppbv	100
38) Trichloroethene	7.297	130	131440m	1.061	ppbv	
39) 1,2-Dichloropropane	7.079	63	87702	1.035	ppbv	93
40) 1,4-Dioxane	7.320	88	38026m	1.133	ppbv	
41) Tetrahydrofuran	5.587	42	89685m	1.047	ppbv	
42) Bromodichloromethane	7.252	83	170611	0.952	ppbv	94
43) Methyl Methacrylate	7.487	69	78175	0.910	ppbv	93
44) 2,2,4-Trimethylpentane	7.329	57	406051	1.056	ppbv	99
45) t-1,3-Dichloropropene	8.718	75	60088m	0.802	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.149	75	86045	0.822	ppbv #	87
47) 1,1,2-Trichloroethane	8.905	97	104967m	1.104	ppbv	
48) Dibromochloromethane	9.712	129	137281m	0.915	ppbv	
49) Bromoform	12.410	173	110756	0.914	ppbv #	100
50) 4-Methyl-2-Pentanone	8.204	43	233222m	1.039	ppbv	
51) 2-Hexanone	9.567	43	152960	0.904	ppbv #	98
52) Tetrachloroethene	10.619	164	92714	1.018	ppbv	96
53) Toluene	9.226	91	255214m	0.978	ppbv	
54) 1,2-Dibromoethane	10.011	107	112381m	0.964	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.512	131	120054	1.013	ppbv #	1
57) Chlorobenzene	11.529	112	230870	1.106	ppbv #	89
58) Ethyl Benzene	12.094	91	329246	0.951	ppbv	95
59) m/p-Xylene	12.374	91	611947m	2.008	ppbv	
60) o-Xylene	13.059	91	292350m	1.011	ppbv	
61) Styrene	12.908	104	140699m	0.900	ppbv	
62) Isopropylbenzene	14.030	105	448512	1.020	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.049	83	143442m	0.952	ppbv	
64) n-propylbenzene	14.921	120	113816	1.024	ppbv	91
65) tert-Butylbenzene	16.094	119	406178	1.004	ppbv	96
66) Benzyl Chloride	16.335	91	26137m	0.713	ppbv	
67) sec-Butylbenzene	16.638	105	560972	1.026	ppbv	99
69) p-Isopropyltoluene	17.001	119	464641	1.006	ppbv	98
70) n-Butylbenzene	17.895	91	467753	1.040	ppbv	96
71) 2-Chlorotoluene	14.805	91	321341	1.019	ppbv	98
72) 4-Ethyltoluene	15.197	105	329512	0.967	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.358	105	313389m	1.006	ppbv	
74) 1,2,4-Trimethylbenzene	16.107	105	350745	1.021	ppbv	94
75) 1,3-Dichlorobenzene	16.329	146	206316	1.007	ppbv	94
76) 1,4-Dichlorobenzene	16.474	146	216947m	1.056	ppbv	
77) 1,2-Dichlorobenzene	17.142	146	214009m	1.056	ppbv	
78) Hexachloro-1,3-Butadiene	22.637	225	177218m	1.079	ppbv	
79) Naphthalene	21.390	128	251158	1.053	ppbv #	94
80) Naphthalene,2-methyl-	24.387	142	62789	0.736	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.139	180	160057m	1.034	ppbv	

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

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