

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039395.D
 Acq On : 29 Jun 2022 12:27
 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 :Semsettin Yesilyurt 07/01/2022
 Supervised By :Mahesh Dadoda 07/01/2022

Quant Time: Jun 29 15:34:14 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 29 15:33:53 2022

QLast Update : Wed Jun 29 15:33:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	1320623	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	3715027	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.060	117	3537494	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2537765 8.677 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 86.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	364705	1.572	ppbv	99
3) Chlorodifluoromethane	2.980	51	353637	2.105	ppbv	99
4) Chloromethane	3.131	50	199993	2.317	ppbv	99
5) Vinyl Chloride	3.250	62	185698	2.301	ppbv	94
6) Bromomethane	3.462	94	78489	1.977	ppbv	91
7) Chloroethane	3.546	64	65054	2.314	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	453293	2.138	ppbv	96
9) Propene	3.002	41	165962	2.265	ppbv	100
10) Heptane	8.105	43	377861	2.211	ppbv	97
11) Trichlorofluoromethane	3.938	101	449419	2.140	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.472	101	329189	2.371	ppbv	98
13) Ethanol	3.600	45	8457m	2.116	ppbv	
14) Bromoethene	3.729	108	139935	2.242	ppbv	98
15) Acetone	3.838	43	338385	2.460	ppbv	98
16) 1,3-Butadiene	3.317	39	176242	2.383	ppbv	98
17) tert-Butyl alcohol	4.269	59	293183m	2.748	ppbv	
18) 1,1-Dichloroethene	4.275	96	146165	2.347	ppbv	97
19) Isopropyl Alcohol	3.957	45	173128m	2.683	ppbv	
20) Methylene Chloride	4.333	84	140392m	2.422	ppbv	
21) Allyl Chloride	4.401	41	230773	2.487	ppbv	96
22) trans-1,2-Dichloroethene	4.870	96	149876m	2.501	ppbv	
23) Vinyl Acetate	5.057	43	232687m	2.044	ppbv	
24) 1,1-Dichloroethane	4.996	63	295162	1.893	ppbv	100
25) Ethyl Acetate	5.664	43	716409	2.311	ppbv	99
26) Hexane	5.671	57	301989	2.216	ppbv	98
27) Carbon Disulfide	4.536	76	325883	2.308	ppbv #	93
28) Methyl tert-Butyl Ether	5.021	73	268505	1.785	ppbv	100
29) Chloroform	5.735	83	479759	2.092	ppbv	94
30) Cyclohexane	7.111	84	250047	2.184	ppbv #	82
31) cis-1,2-Dichloroethene	5.533	61	288743	2.078	ppbv	95
32) 1,1,1-Trichloroethane	6.494	97	461591	2.057	ppbv	98
34) 2-Butanone	5.234	43	399215	1.978	ppbv	99
35) Carbon Tetrachloride	6.999	117	473916	1.748	ppbv	99
36) Benzene	6.873	78	621547	2.061	ppbv	97
37) 1,2-Dichloroethane	6.288	62	341511	1.721	ppbv	98
38) Trichloroethene	7.812	130	319097	2.303	ppbv	96
39) 1,2-Dichloropropane	7.594	63	226185	1.885	ppbv	99
40) 1,4-Dioxane	7.822	88	85798	2.172	ppbv	74
41) Tetrahydrofuran	6.041	42	230183	1.896	ppbv	100
42) Bromodichloromethane	7.770	83	479692	1.741	ppbv	98
43) Methyl Methacrylate	7.995	69	229952	1.957	ppbv	97
44) 2,2,4-Trimethylpentane	7.851	57	1054789	1.999	ppbv	100
45) t-1,3-Dichloropropene	9.259	75	185452	1.516	ppbv	93

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46) cis-1,3-Dichloropropene	8.684	75	276152	1.709	ppbv	97
47) 1,1,2-Trichloroethane	9.452	97	257141m	2.055	ppbv	
48) Dibromochloromethane	10.285	129	405359	1.814	ppbv	99
49) Bromoform	13.015	173	323673	1.738	ppbv	100
50) 4-Methyl-2-Pentanone	8.725	43	617699	2.045	ppbv	98
51) 2-Hexanone	10.114	43	450440	1.916	ppbv	100
52) Tetrachloroethene	11.201	164	235016	1.996	ppbv	95
53) Toluene	9.783	91	714532	2.057	ppbv	99
54) 1,2-Dibromoethane	10.587	107	315720	1.877	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.105	131	326051	1.948	ppbv #	1
57) Chlorobenzene	12.124	112	575491	2.162	ppbv	98
58) Ethyl Benzene	12.683	91	982160	2.016	ppbv	96
59) m/p-Xylene	12.970	91	1721659m	4.012	ppbv	
60) o-Xylene	13.667	91	813320	2.017	ppbv	100
61) Styrene	13.503	104	438580	2.031	ppbv	99
62) Isopropylbenzene	14.642	105	1255465	2.095	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.651	83	395955	1.750	ppbv	99
64) n-propylbenzene	15.535	120	312779	2.123	ppbv	89
65) tert-Butylbenzene	16.715	119	1163860	2.124	ppbv	98
66) Benzyl Chloride	16.963	91	81486	1.144	ppbv #	93
67) sec-Butylbenzene	17.268	105	1600588	2.141	ppbv	99
69) p-Isopropyltoluene	17.625	119	1346946	2.135	ppbv	99
70) n-Butylbenzene	18.526	91	1305235	2.016	ppbv	99
71) 2-Chlorotoluene	15.429	91	896405	1.961	ppbv	99
72) 4-Ethyltoluene	15.812	105	990189	2.095	ppbv	98
73) 1,3,5-Trimethylbenzene	15.973	105	903062	2.119	ppbv	92
74) 1,2,4-Trimethylbenzene	16.738	105	1003488	2.110	ppbv	96
75) 1,3-Dichlorobenzene	16.969	146	584252	2.170	ppbv	99
76) 1,4-Dichlorobenzene	17.108	146	542516	2.020	ppbv	98
77) 1,2-Dichlorobenzene	17.789	146	558776	2.059	ppbv	98
78) Hexachloro-1,3-Butadiene	23.352	225	470908	1.898	ppbv	98
79) Naphthalene	22.165	128	769979m	2.103	ppbv	
80) Naphthalene,2-methyl-	24.950	142	249495	1.834	ppbv	95
81) 1,2,4-Trichlorobenzene	21.895	180	435683	1.878	ppbv	97

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

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