

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039811.D
 Acq On : 2 Nov 2022 11:24
 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 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 02 12:01:56 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 02 11:28:32 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1151985	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3145031	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3072215	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2273437	10.402	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	390179	3.235	ppbv	98
3) Chlorodifluoromethane	2.687	51	269096	1.945	ppbv	98
4) Chloromethane	2.825	50	174010	2.009	ppbv	98
5) Vinyl Chloride	2.931	62	134181	1.867	ppbv	99
6) Bromomethane	3.131	94	47725m	1.849	ppbv	
7) Chloroethane	3.201	64	48647m	1.885	ppbv	
8) Dichlorotetrafluoroethane	2.867	85	335009	2.128	ppbv	97
9) Propene	2.703	41	135403	2.277	ppbv	94
10) Heptane	7.565	43	342489	2.406	ppbv	99
11) Trichlorofluoromethane	3.568	101	310951	1.845	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.073	101	228287m	1.747	ppbv	
13) Ethanol	3.250	45	12353m	2.893	ppbv	
14) Bromoethene	3.375	108	100204m	1.932	ppbv	
15) Acetone	3.478	43	301825	2.194	ppbv	99
16) 1,3-Butadiene	2.996	39	131206	1.929	ppbv	100
17) tert-Butyl alcohol	3.889	59	259960	2.316	ppbv	100
18) 1,1-Dichloroethene	3.883	96	103326	1.797	ppbv	96
19) Isopropyl Alcohol	3.587	45	137248m	2.129	ppbv	
20) Methylene Chloride	3.934	84	92652m	1.770	ppbv	
21) Allyl Chloride	4.002	41	169925	1.908	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	106473m	1.782	ppbv	
23) Vinyl Acetate	4.629	43	109505	2.065	ppbv #	96
24) 1,1-Dichloroethane	4.565	63	225486	1.825	ppbv	99
25) Ethyl Acetate	5.208	43	588267	2.187	ppbv	99
26) Hexane	5.211	57	251843	2.251	ppbv	98
27) Carbon Disulfide	4.127	76	278435m	2.097	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	228913	2.352	ppbv	99
29) Chloroform	5.269	83	360684	2.051	ppbv	97
30) Cyclohexane	6.594	84	215213	2.348	ppbv	94
31) cis-1,2-Dichloroethene	5.076	61	234163m	2.169	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	367854	2.305	ppbv	99
34) 2-Butanone	4.790	43	257178	1.738	ppbv	95
35) Carbon Tetrachloride	6.484	117	384529	2.145	ppbv	100
36) Benzene	6.362	78	531425	2.194	ppbv	97
37) 1,2-Dichloroethane	5.799	62	254659	1.936	ppbv	97
38) Trichloroethene	7.275	130	286251	2.094	ppbv	94
39) 1,2-Dichloropropane	7.069	63	206521m	2.213	ppbv	
40) 1,4-Dioxane	7.291	88	79549m	2.501	ppbv	
41) Tetrahydrofuran	5.568	42	207862	2.261	ppbv	99
42) Bromodichloromethane	7.237	83	410193	2.214	ppbv	100
43) Methyl Methacrylate	7.468	69	206917	2.453	ppbv	96
44) 2,2,4-Trimethylpentane	7.314	57	914566	2.259	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	192944	2.693	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	275876	2.683	ppbv	95
47) 1,1,2-Trichloroethane	8.886	97	206551	2.067	ppbv	99
48) Dibromochloromethane	9.693	129	367232	2.283	ppbv	99
49) Bromoform	12.388	173	296743	2.265	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	541866	2.334	ppbv	100
51) 2-Hexanone	9.552	43	418916m	2.465	ppbv	
52) Tetrachloroethene	10.603	164	197697m	2.179	ppbv	
53) Toluene	9.204	91	612712	2.415	ppbv	98
54) 1,2-Dibromoethane	9.992	107	234173	2.309	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	261472m	2.011	ppbv	
57) Chlorobenzene	11.513	112	463757	1.968	ppbv	97
58) Ethyl Benzene	12.072	91	833574	2.382	ppbv	97
59) m/p-Xylene	12.359	91	1403413m	4.443	ppbv	
60) o-Xylene	13.043	91	660673	2.231	ppbv	100
61) Styrene	12.883	104	392333	2.522	ppbv	98
62) Isopropylbenzene	14.011	105	988902	2.185	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.031	83	241237m	1.936	ppbv	
64) n-propylbenzene	14.899	120	259449	2.264	ppbv	92
65) tert-Butylbenzene	16.079	119	877569	2.225	ppbv	99
66) Benzyl Chloride	16.317	91	98600m	3.525	ppbv	
67) sec-Butylbenzene	16.619	105	1186214	2.136	ppbv	98
69) p-Isopropyltoluene	16.979	119	991461	2.207	ppbv	99
70) n-Butylbenzene	17.873	91	943737	2.197	ppbv	99
71) 2-Chlorotoluene	14.786	91	731449	2.327	ppbv	99
72) 4-Ethyltoluene	15.175	105	741858	2.174	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	678725	2.223	ppbv	93
74) 1,2,4-Trimethylbenzene	16.095	105	724667	2.096	ppbv #	92
75) 1,3-Dichlorobenzene	16.317	146	409951	1.953	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	391281	1.955	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	396048	1.979	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	308049m	2.020	ppbv	
79) Naphthalene	21.368	128	574536m	2.717	ppbv	
80) Naphthalene,2-methyl-	24.368	142	244065	3.399	ppbv	100
81) 1,2,4-Trichlorobenzene	21.130	180	297723m	2.130	ppbv	

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

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