

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039396.D
 Acq On : 29 Jun 2022 13:06
 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 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

Quant Time: Jun 29 15:35:25 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.652	49	1286538	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	3651848	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	3324055	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2462252 8.960 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	217001	0.960	ppbv	99
3) Chlorodifluoromethane	2.980	51	177239	1.083	ppbv	96
4) Chloromethane	3.131	50	90684	1.078	ppbv #	85
5) Vinyl Chloride	3.247	62	86107	1.095	ppbv	97
6) Bromomethane	3.465	94	36718	0.950	ppbv	85
7) Chloroethane	3.552	64	34075	1.244	ppbv	96
8) Dichlorotetrafluoroethane	3.179	85	214804	1.040	ppbv	94
9) Propene	3.006	41	81510	1.142	ppbv	99
10) Heptane	8.105	43	182269	1.095	ppbv	98
11) Trichlorofluoromethane	3.938	101	208701	1.020	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.472	101	162560	1.202	ppbv	97
13) Ethanol	3.600	45	4997	1.284	ppbv	89
14) Bromoethene	3.732	108	65473	1.077	ppbv	95
15) Acetone	3.848	43	168929	1.261	ppbv	95
16) 1,3-Butadiene	3.314	39	85956m	1.193	ppbv	
17) tert-Butyl alcohol	4.279	59	135687	1.305	ppbv #	93
18) 1,1-Dichloroethene	4.279	96	70549	1.163	ppbv	98
19) Isopropyl Alcohol	3.960	45	80041	1.273	ppbv #	97
20) Methylene Chloride	4.330	84	62554	1.108	ppbv	99
21) Allyl Chloride	4.404	41	109763	1.214	ppbv	98
22) trans-1,2-Dichloroethene	4.870	96	65815	1.127	ppbv	93
23) Vinyl Acetate	5.057	43	94436	0.852	ppbv #	95
24) 1,1-Dichloroethane	4.993	63	154811	1.019	ppbv	99
25) Ethyl Acetate	5.665	43	300532	0.995	ppbv	96
26) Hexane	5.671	57	83675	0.630	ppbv #	1
27) Carbon Disulfide	4.539	76	144292	1.049	ppbv	95
28) Methyl tert-Butyl Ether	5.028	73	148678	1.015	ppbv	97
29) Chloroform	5.732	83	235053	1.052	ppbv	95
30) Cyclohexane	7.111	84	111951	1.004	ppbv	96
31) cis-1,2-Dichloroethene	5.536	61	138378	1.022	ppbv	88
32) 1,1,1-Trichloroethane	6.494	97	216143	0.989	ppbv	96
34) 2-Butanone	5.234	43	171900	0.866	ppbv	91
35) Carbon Tetrachloride	6.996	117	224623	0.843	ppbv	96
36) Benzene	6.870	78	289516	0.977	ppbv	94
37) 1,2-Dichloroethane	6.292	62	180798m	0.927	ppbv	
38) Trichloroethene	7.816	130	163995m	1.204	ppbv	
39) 1,2-Dichloropropane	7.597	63	110515	0.937	ppbv	98
40) 1,4-Dioxane	7.835	88	47388m	1.221	ppbv	
41) Tetrahydrofuran	6.050	42	105353	0.883	ppbv	97
42) Bromodichloromethane	7.771	83	223511	0.825	ppbv	97
43) Methyl Methacrylate	7.996	69	105774	0.916	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	513565	0.990	ppbv	99
45) t-1,3-Dichloropropene	9.259	75	73087	0.608	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.681	75	112634	0.709	ppbv	95
47) 1,1,2-Trichloroethane	9.449	97	125207m	1.018	ppbv	
48) Dibromochloromethane	10.285	129	181908	0.828	ppbv	98
49) Bromoform	13.018	173	134640	0.735	ppbv	98
50) 4-Methyl-2-Pentanone	8.732	43	262341	0.883	ppbv	97
51) 2-Hexanone	10.124	43	206143m	0.892	ppbv	
52) Tetrachloroethene	11.201	164	114512	0.989	ppbv	93
53) Toluene	9.787	91	327347	0.959	ppbv	100
54) 1,2-Dibromoethane	10.587	107	154435m	0.934	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.105	131	153937	0.979	ppbv #	1
57) Chlorobenzene	12.121	112	278352	1.113	ppbv	93
58) Ethyl Benzene	12.690	91	451143	0.985	ppbv	89
59) m/p-Xylene	12.970	91	807403m	2.002	ppbv	
60) o-Xylene	13.667	91	385550	1.018	ppbv	99
61) Styrene	13.503	104	183783	0.906	ppbv	95
62) Isopropylbenzene	14.645	105	595405	1.057	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.658	83	180734	0.850	ppbv	95
64) n-propylbenzene	15.536	120	143783m	1.039	ppbv	
65) tert-Butylbenzene	16.722	119	555857	1.079	ppbv	99
66) Benzyl Chloride	16.970	91	40087m	0.599	ppbv	
67) sec-Butylbenzene	17.269	105	740246	1.054	ppbv	98
69) p-Isopropyltoluene	17.625	119	606107	1.022	ppbv	98
70) n-Butylbenzene	18.526	91	585696	0.963	ppbv	97
71) 2-Chlorotoluene	15.426	91	423821m	0.987	ppbv	
72) 4-Ethyltoluene	15.815	105	431302	0.971	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	395860	0.988	ppbv	94
74) 1,2,4-Trimethylbenzene	16.735	105	456258	1.021	ppbv #	93
75) 1,3-Dichlorobenzene	16.966	146	258782	1.023	ppbv	97
76) 1,4-Dichlorobenzene	17.111	146	272974m	1.081	ppbv	
77) 1,2-Dichlorobenzene	17.793	146	263926	1.035	ppbv	99
78) Hexachloro-1,3-Butadiene	23.349	225	225288	0.966	ppbv	98
79) Naphthalene	22.166	128	296717	0.862	ppbv #	95
80) Naphthalene,2-methyl-	24.953	142	78922	0.617	ppbv	97
81) 1,2,4-Trichlorobenzene	21.892	180	191864	0.880	ppbv	100

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

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