

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038377.D
 Acq On : 22 Feb 2022 5:28
 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 02/23/2022
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 07:57:22 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 07:53:26 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	979367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.150	114	2379928	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.053	117	2211748	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 1784729 10.551 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	174450	0.890	ppbv	93
3) Chlorodifluoromethane	2.980	51	179372	0.946	ppbv	100
4) Chloromethane	3.131	50	63193	0.967	ppbv	95
5) Vinyl Chloride	3.247	62	60123	0.910	ppbv	90
6) Bromomethane	3.468	94	33011m	0.942	ppbv	
7) Chloroethane	3.549	64	20027m	0.911	ppbv	
8) Dichlorotetrafluoroethane	3.179	85	150368	0.954	ppbv	98
9) Propene	3.002	41	56824	0.922	ppbv	96
10) Heptane	8.092	43	139710	0.880	ppbv	100
11) Trichlorofluoromethane	3.938	101	152391m	0.963	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.465	101	111145	0.929	ppbv	100
13) Ethanol	3.610	45	6200m	0.978	ppbv	
14) Bromoethene	3.732	108	44136m	0.943	ppbv	
15) Acetone	3.851	43	90877m	1.067	ppbv	
16) 1,3-Butadiene	3.321	39	56221m	0.926	ppbv	
17) tert-Butyl alcohol	4.292	59	89531m	0.977	ppbv	
18) 1,1-Dichloroethene	4.275	96	50407m	0.974	ppbv	
19) Isopropyl Alcohol	3.973	45	53886m	1.025	ppbv	
20) Methylene Chloride	4.327	84	43857m	0.900	ppbv	
21) Allyl Chloride	4.398	41	68765m	0.929	ppbv	
22) trans-1,2-Dichloroethene	4.870	96	47465	0.884	ppbv	94
23) Vinyl Acetate	5.057	43	109210m	0.897	ppbv	
24) 1,1-Dichloroethane	4.992	63	101749	0.937	ppbv	# 97
25) Ethyl Acetate	5.668	43	228798m	0.957	ppbv	
26) Hexane	5.668	57	105745m	0.956	ppbv	
27) Carbon Disulfide	4.533	76	109993m	0.868	ppbv	
28) Methyl tert-Butyl Ether	5.028	73	106249m	0.938	ppbv	
29) Chloroform	5.729	83	172368	0.957	ppbv	98
30) Cyclohexane	7.108	84	87939m	0.931	ppbv	
31) cis-1,2-Dichloroethene	5.529	61	100817m	0.999	ppbv	
32) 1,1,1-Trichloroethane	6.484	97	163325	0.908	ppbv	97
34) 2-Butanone	5.237	43	72484	0.922	ppbv	96
35) Carbon Tetrachloride	6.992	117	167237	0.998	ppbv	98
36) Benzene	6.864	78	215232	1.018	ppbv	97
37) 1,2-Dichloroethane	6.285	62	119635	0.987	ppbv	98
38) Trichloroethene	7.809	130	79619m	1.013	ppbv	
39) 1,2-Dichloropropane	7.587	63	85482	1.002	ppbv	95
40) 1,4-Dioxane	7.841	88	23084m	1.112	ppbv	
41) Tetrahydrofuran	6.057	42	49891m	0.947	ppbv	
42) Bromodichloromethane	7.764	83	175627	0.977	ppbv	98
43) Methyl Methacrylate	7.989	69	69907m	0.936	ppbv	
44) 2,2,4-Trimethylpentane	7.841	57	383816	1.032	ppbv	98
45) t-1,3-Dichloropropene	9.250	75	48227	0.800	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038377.D
 Acq On : 22 Feb 2022 5:28
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 07:57:22 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 07:53:26 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.674	75	68081	0.844	ppbv	97
47) 1,1,2-Trichloroethane	9.449	97	81881	0.969	ppbv	89
48) Dibromochloromethane	10.272	129	130107	0.915	ppbv	98
49) Bromoform	13.005	173	93582	0.901	ppbv	98
50) 4-Methyl-2-Pentanone	8.729	43	127288m	0.911	ppbv	
51) 2-Hexanone	10.124	43	54210m	0.878	ppbv	
52) Tetrachloroethene	11.198	164	70894m	0.975	ppbv	
53) Toluene	9.777	91	228111	0.978	ppbv	98
54) 1,2-Dibromoethane	10.581	107	111447	0.929	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.092	131	93486m	0.966	ppbv	
57) Chlorobenzene	12.114	112	176803m	1.003	ppbv	
58) Ethyl Benzene	12.680	91	308353	0.952	ppbv	96
59) m/p-Xylene	12.960	91	538631m	1.944	ppbv	
60) o-Xylene	13.661	91	254487	0.985	ppbv	99
61) Styrene	13.497	104	109869m	0.913	ppbv	
62) Isopropylbenzene	14.635	105	337897	0.980	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.648	83	190490	0.986	ppbv	99
64) n-propylbenzene	15.532	120	81925	0.979	ppbv	81
65) tert-Butylbenzene	16.709	119	298067	1.035	ppbv	97
66) Benzyl Chloride	16.953	91	11852m	0.877	ppbv	
67) sec-Butylbenzene	17.259	105	422376	1.051	ppbv	98
69) p-Isopropyltoluene	17.619	119	316336	1.018	ppbv	97
70) n-Butylbenzene	18.519	91	325995	1.056	ppbv	99
71) 2-Chlorotoluene	15.416	91	261726	1.013	ppbv	97
72) 4-Ethyltoluene	15.809	105	267929	0.977	ppbv	98
73) 1,3,5-Trimethylbenzene	15.960	105	245618	0.992	ppbv	95
74) 1,2,4-Trimethylbenzene	16.728	105	266670	1.019	ppbv	98
75) 1,3-Dichlorobenzene	16.960	146	142468	1.005	ppbv	96
76) 1,4-Dichlorobenzene	17.108	146	146329m	1.069	ppbv	
77) 1,2-Dichlorobenzene	17.783	146	140875	1.062	ppbv	99
78) Hexachloro-1,3-Butadiene	23.345	225	114497m	1.236	ppbv	
79) Naphthalene	22.172	128	114590m	0.906	ppbv	
80) Naphthalene,2-methyl-	24.956	142	13092m	0.811	ppbv	
81) 1,2,4-Trichlorobenzene	21.895	180	75180m	1.004	ppbv	

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

