

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038715.D
 Acq On : 23 Mar 2022 14:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 24 05:16:43 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	790189	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2145412	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1970045m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1442361	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	966343	9.10	ppbv	99
3) Chlorodifluoromethane	2.98	51	848659	10.17	ppbv	100
4) Chloromethane	3.13	50	458998	10.02	ppbv	99
5) Vinyl Chloride	3.25	62	463967	9.97	ppbv	99
6) Bromomethane	3.47	94	264507	10.66	ppbv	100
7) Chloroethane	3.55	64	161117	10.45	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1117723	10.54	ppbv	99
9) Propene	3.01	41	404116	10.03	ppbv	100
10) Heptane	8.11	43	985745	10.23	ppbv	99
11) Trichlorofluoromethane	3.94	101	1022162	10.90	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	785233	10.88	ppbv	98
13) Ethanol	3.60	45	37744m	8.49	ppbv	
14) Bromoethene	3.73	108	356118	11.10	ppbv	97
15) Acetone	3.84	43	693901	10.18	ppbv	99
16) 1,3-Butadiene	3.32	39	414324	10.71	ppbv	100
17) tert-Butyl alcohol	4.27	59	732824	12.31	ppbv	100
18) 1,1-Dichloroethene	4.28	96	353287	10.90	ppbv	96
19) Isopropyl Alcohol	3.95	45	417179	11.04	ppbv #	98
20) Methylene Chloride	4.33	84	294616	10.26	ppbv	98
21) Allyl Chloride	4.40	41	550214	11.21	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	390163	11.60	ppbv	98
23) Vinyl Acetate	5.06	43	798455	12.09	ppbv	100
24) 1,1-Dichloroethane	5.00	63	718186	11.05	ppbv	99
25) Ethyl Acetate	5.66	43	1765083	10.28	ppbv	100
26) Hexane	5.67	57	779947	10.15	ppbv	99
27) Carbon Disulfide	4.54	76	922113	12.23	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	677821	11.84	ppbv	98
29) Chloroform	5.74	83	1260938	10.25	ppbv	97
30) Cyclohexane	7.11	84	676791	10.13	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	779221	10.78	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1252824	10.55	ppbv	99
34) 2-Butanone	5.23	43	817588	9.63	ppbv	98
35) Carbon Tetrachloride	7.00	117	1318028	10.59	ppbv	98
36) Benzene	6.87	78	1653460	9.99	ppbv	99
37) 1,2-Dichloroethane	6.29	62	871938	10.35	ppbv	99
38) Trichloroethene	7.82	130	718716	10.36	ppbv	98
39) 1,2-Dichloropropane	7.60	63	634771	9.81	ppbv	98
40) 1,4-Dioxane	7.81	88	227213	10.11	ppbv	97
41) Tetrahydrofuran	6.03	42	635025	10.05	ppbv	98
42) Bromodichloromethane	7.77	83	1366542	10.82	ppbv	100
43) Methyl Methacrylate	8.00	69	662314	10.77	ppbv	99

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 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2705711	9.73	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	773362	12.37	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	958320	11.34	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	670433	9.70	ppbv	98
48) Dibromochloromethane	10.28	129	1184473	10.94	ppbv	99
49) Bromoform	13.02	173	936395	10.61	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1603343	10.16	ppbv	99
51) 2-Hexanone	10.11	43	1232822	10.87	ppbv	98
52) Tetrachloroethene	11.20	164	599010	9.89	ppbv	97
53) Toluene	9.79	91	1874577	10.54	ppbv	100
54) 1,2-Dibromoethane	10.59	107	988846	10.48	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	807684	9.89	ppbv	98
57) Chlorobenzene	12.13	112	1363415	9.60	ppbv	99
58) Ethyl Benzene	12.69	91	2410737	10.47	ppbv	99
59) m/p-Xylene	12.98	91	4074725m	20.23	ppbv	
60) o-Xylene	13.67	91	1922838	10.05	ppbv	99
61) Styrene	13.51	104	1165863	11.24	ppbv	99
62) Isopropylbenzene	14.64	105	2865409	9.96	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1264323	8.53	ppbv	100
64) n-propylbenzene	15.54	120	766376	10.16	ppbv	100
65) tert-Butylbenzene	16.72	119	2513106	9.73	ppbv	98
66) Benzyl Chloride	16.97	91	604104	12.35	ppbv	99
67) sec-Butylbenzene	17.27	105	3609899	9.77	ppbv	99
69) p-Isopropyltoluene	17.63	119	2998587	9.94	ppbv	100
70) n-Butylbenzene	18.53	91	3134637	10.08	ppbv	100
71) 2-Chlorotoluene	15.43	91	2088490	9.78	ppbv	99
72) 4-Ethyltoluene	15.82	105	2362099	10.46	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2078459	10.10	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2207922	9.85	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1355786	9.50	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1322824	9.32	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1333148	9.43	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1202880	9.20	ppbv	100
79) Naphthalene	22.17	128	2217844	12.95	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	486002	10.58	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1268361	10.82	ppbv	99

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

