

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021622\
 Data File : VL038373.D
 Acq On : 16 Feb 2022 19:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 06:51:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	831847	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	2091129	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	1907410m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1627732	11.24	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1127477	6.37	ppbv	97
3) Chlorodifluoromethane	2.98	51	1439127	8.69	ppbv	99
4) Chloromethane	3.13	50	459283	8.06	ppbv	96
5) Vinyl Chloride	3.24	62	454407	7.99	ppbv	95
6) Bromomethane	3.46	94	174070	5.66	ppbv	97
7) Chloroethane	3.54	64	162620	8.47	ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	1134095	8.28	ppbv	99
9) Propene	3.00	41	450231	8.35	ppbv	99
10) Heptane	8.09	43	1131660	8.16	ppbv	99
11) Trichlorofluoromethane	3.93	101	1151750	8.35	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	836454	8.02	ppbv	97
13) Ethanol	3.59	45	52989	9.16	ppbv	93
14) Bromoethene	3.72	108	343567	8.43	ppbv	99
15) Acetone	3.83	43	727344	9.92	ppbv	99
16) 1,3-Butadiene	3.31	39	475639	9.04	ppbv	93
17) tert-Butyl alcohol	4.26	59	662305	8.23	ppbv	97
18) 1,1-Dichloroethene	4.27	96	376792	8.31	ppbv	96
19) Isopropyl Alcohol	3.94	45	383192	8.35	ppbv #	96
20) Methylene Chloride	4.32	84	304574	7.14	ppbv	98
21) Allyl Chloride	4.39	41	472580	7.28	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	380010	8.11	ppbv	97
23) Vinyl Acetate	5.04	43	876469	8.22	ppbv	99
24) 1,1-Dichloroethane	4.99	63	760199	8.00	ppbv	99
25) Ethyl Acetate	5.65	43	1659646	8.08	ppbv	99
26) Hexane	5.66	57	792493	8.30	ppbv	96
27) Carbon Disulfide	4.53	76	880103	7.88	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	776656	7.84	ppbv	99
29) Chloroform	5.73	83	1309933	8.40	ppbv	100
30) Cyclohexane	7.10	84	711874	8.56	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	760645	9.13	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	1309728	8.41	ppbv	100
34) 2-Butanone	5.22	43	601307	8.79	ppbv	99
35) Carbon Tetrachloride	6.99	117	1328103	9.05	ppbv	99
36) Benzene	6.86	78	1700101	9.19	ppbv	98
37) 1,2-Dichloroethane	6.28	62	987311	9.32	ppbv	99
38) Trichloroethene	7.81	130	603983	8.77	ppbv	96
39) 1,2-Dichloropropane	7.58	63	671617	8.96	ppbv	100
40) 1,4-Dioxane	7.80	88	160912	8.92	ppbv	89
41) Tetrahydrofuran	6.02	42	380923	8.29	ppbv	99
42) Bromodichloromethane	7.76	83	1443900	9.19	ppbv	100
43) Methyl Methacrylate	7.98	69	648732	9.92	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	2918194	8.95	ppbv	98
45) t-1,3-Dichloropropene	9.24	75	223353	4.20	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	385765	5.44	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	679172	9.22	ppbv	97
48) Dibromochloromethane	10.27	129	1141359	9.20	ppbv	98
49) Bromoform	13.00	173	851578	9.52	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1237349	10.14	ppbv	100
51) 2-Hexanone	10.10	43	607780	11.31	ppbv #	97
52) Tetrachloroethene	11.19	164	526101	8.25	ppbv	95
53) Toluene	9.77	91	1887131	9.22	ppbv	99
54) 1,2-Dibromoethane	10.57	107	912637	8.71	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	781553	9.36	ppbv #	58
57) Chlorobenzene	12.11	112	1320096	8.65	ppbv	97
58) Ethyl Benzene	12.67	91	2502052	8.93	ppbv	98
59) m/p-Xylene	12.96	91	4161734m	17.40	ppbv	
60) o-Xylene	13.65	91	1992593	8.96	ppbv	99
61) Styrene	13.49	104	915238	8.82	ppbv	98
62) Isopropylbenzene	14.63	105	2725700	9.19	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1484604	9.02	ppbv	100
64) n-propylbenzene	15.52	120	667887	9.36	ppbv	94
65) tert-Butylbenzene	16.71	119	2327816	9.53	ppbv	99
66) Benzyl Chloride	16.95	91	43362m	3.91	ppbv	
67) sec-Butylbenzene	17.26	105	3260368	9.60	ppbv	100
69) p-Isopropyltoluene	17.61	119	2536090	9.75	ppbv	99
70) n-Butylbenzene	18.51	91	2579076	10.13	ppbv	99
71) 2-Chlorotoluene	15.42	91	2033279	9.26	ppbv	99
72) 4-Ethyltoluene	15.80	105	2129449	9.15	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	1923232	9.19	ppbv	100
74) 1,2,4-Trimethylbenzene	16.72	105	2010367	9.12	ppbv #	89
75) 1,3-Dichlorobenzene	16.96	146	1092730	9.24	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1014302	8.86	ppbv	96
77) 1,2-Dichlorobenzene	17.78	146	1038494	9.45	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	606223	7.94	ppbv	99
79) Naphthalene	22.15	128	978793	9.50	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	137735	12.29	ppbv	96
81) 1,2,4-Trichlorobenzene	21.88	180	554725	9.15	ppbv	99

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

