

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038569.D
 Acq On : 9 Mar 2022 3:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 09 07:46:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A

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

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/10/2022
 Supervised By :Mahesh Dadoda 03/14/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	913832	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2416432	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2272087m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1708351	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1337531	9.69	ppbv	100
3) Chlorodifluoromethane	2.99	51	1509644	9.37	ppbv	98
4) Chloromethane	3.14	50	583793	9.77	ppbv	99
5) Vinyl Chloride	3.26	62	562260	9.38	ppbv	99
6) Bromomethane	3.47	94	314459	9.77	ppbv	97
7) Chloroethane	3.56	64	184227	9.49	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1281753	9.58	ppbv	98
9) Propene	3.01	41	562465	9.89	ppbv	100
10) Heptane	8.11	43	1361002	10.01	ppbv	99
11) Trichlorofluoromethane	3.95	101	1143989	9.45	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	893756	9.50	ppbv	98
13) Ethanol	3.60	45	53393m	8.17	ppbv	
14) Bromoethene	3.74	108	413318	10.31	ppbv	99
15) Acetone	3.84	43	655796	10.17	ppbv	97
16) 1,3-Butadiene	3.32	39	503991	9.73	ppbv	97
17) tert-Butyl alcohol	4.28	59	689064	9.84	ppbv	99
18) 1,1-Dichloroethene	4.29	96	414851	9.85	ppbv	95
19) Isopropyl Alcohol	3.96	45	415413	9.65	ppbv	100
20) Methylene Chloride	4.34	84	335722	8.65	ppbv	98
21) Allyl Chloride	4.41	41	624645	10.05	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	441588	10.00	ppbv	96
23) Vinyl Acetate	5.06	43	985878	10.67	ppbv	99
24) 1,1-Dichloroethane	5.00	63	801547	9.54	ppbv	99
25) Ethyl Acetate	5.67	43	2155151	9.93	ppbv	100
26) Hexane	5.68	57	1003439	9.84	ppbv	99
27) Carbon Disulfide	4.55	76	1071825	10.56	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	818132	9.86	ppbv	100
29) Chloroform	5.74	83	1522910	9.60	ppbv	99
30) Cyclohexane	7.12	84	880168	9.98	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	976153	10.01	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	1472589	9.57	ppbv	99
34) 2-Butanone	5.24	43	661725	10.56	ppbv	98
35) Carbon Tetrachloride	7.01	117	1535101	9.31	ppbv	98
36) Benzene	6.88	78	2154424	9.88	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1025191	9.84	ppbv	99
38) Trichloroethene	7.83	130	805837	9.25	ppbv	98
39) 1,2-Dichloropropane	7.60	63	827892	9.87	ppbv	97
40) 1,4-Dioxane	7.82	88	217008	10.34	ppbv	86
41) Tetrahydrofuran	6.04	42	516227	10.07	ppbv	97
42) Bromodichloromethane	7.78	83	1627797	9.85	ppbv	98
43) Methyl Methacrylate	8.00	69	781239	10.44	ppbv	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3510774	9.52	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	617658	11.45	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	809296	10.97	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	865178	10.12	ppbv	98
48) Dibromochloromethane	10.29	129	1464131	10.79	ppbv	100
49) Bromoform	13.02	173	1209467	11.64	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1308945	10.19	ppbv	99
51) 2-Hexanone	10.12	43	568949	10.49	ppbv #	100
52) Tetrachloroethene	11.21	164	766991	9.60	ppbv	96
53) Toluene	9.79	91	2420538	10.40	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1252765	10.26	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	926538	10.01	ppbv	97
57) Chlorobenzene	12.13	112	1698170	9.79	ppbv	99
58) Ethyl Benzene	12.70	91	3049207	10.37	ppbv	98
59) m/p-Xylene	12.98	91	5024369m	19.95	ppbv	
60) o-Xylene	13.68	91	2364012	9.94	ppbv	98
61) Styrene	13.51	104	1341103	11.44	ppbv	99
62) Isopropylbenzene	14.65	105	3334140	10.16	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1822347	9.07	ppbv	100
64) n-propylbenzene	15.55	120	902363	10.79	ppbv	96
65) tert-Butylbenzene	16.73	119	2901071	9.89	ppbv	99
66) Benzyl Chloride	16.97	91	175228	10.08	ppbv	98
67) sec-Butylbenzene	17.28	105	4127227	9.90	ppbv	100
69) p-Isopropyltoluene	17.64	119	3387458	9.80	ppbv	99
70) n-Butylbenzene	18.54	91	3482916	9.47	ppbv	100
71) 2-Chlorotoluene	15.44	91	2507591	10.29	ppbv	99
72) 4-Ethyltoluene	15.82	105	2941428	10.77	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2561345	10.10	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	2644099	9.76	ppbv #	94
75) 1,3-Dichlorobenzene	16.98	146	1681034	9.84	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1625332	9.60	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1616264	9.35	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1278491	7.58	ppbv	100
79) Naphthalene	22.17	128	2456956	10.08	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	624688	14.52	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1371535	8.81	ppbv	99

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

