

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038589.D
 Acq On : 10 Mar 2022 9:52
 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 11 00:24:42 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 03/13/2022
 Supervised By :Mahesh Dadoda 03/14/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	829952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2197471	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2216207m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1671132	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1281350	10.22	ppbv	100
3) Chlorodifluoromethane	2.98	51	1372701	9.38	ppbv	99
4) Chloromethane	3.13	50	526941	9.71	ppbv	100
5) Vinyl Chloride	3.25	62	527448	9.69	ppbv	100
6) Bromomethane	3.47	94	279372	9.56	ppbv	98
7) Chloroethane	3.55	64	171132	9.71	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1229612	10.12	ppbv	99
9) Propene	3.01	41	484362	9.38	ppbv	99
10) Heptane	8.10	43	1287408	10.42	ppbv	98
11) Trichlorofluoromethane	3.94	101	1121079	10.20	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	877067	10.26	ppbv	100
13) Ethanol	3.60	45	41689	7.03	ppbv	97
14) Bromoethene	3.73	108	372428	10.23	ppbv	98
15) Acetone	3.84	43	588801	10.06	ppbv	100
16) 1,3-Butadiene	3.32	39	485174	10.31	ppbv	99
17) tert-Butyl alcohol	4.28	59	672989	10.58	ppbv	100
18) 1,1-Dichloroethene	4.28	96	398425	10.42	ppbv	99
19) Isopropyl Alcohol	3.95	45	378564	9.68	ppbv #	96
20) Methylene Chloride	4.33	84	322191	9.15	ppbv	99
21) Allyl Chloride	4.40	41	581532	10.31	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	416458	10.39	ppbv	99
23) Vinyl Acetate	5.06	43	909745	10.84	ppbv	100
24) 1,1-Dichloroethane	5.00	63	791832	10.38	ppbv	100
25) Ethyl Acetate	5.66	43	1972770	10.01	ppbv	100
26) Hexane	5.67	57	922042	9.96	ppbv	99
27) Carbon Disulfide	4.54	76	1041240	11.29	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	760676	10.09	ppbv	99
29) Chloroform	5.74	83	1422222	9.87	ppbv	98
30) Cyclohexane	7.11	84	815077	10.18	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	854763	9.65	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1367125	9.78	ppbv	100
34) 2-Butanone	5.23	43	651690	11.44	ppbv	99
35) Carbon Tetrachloride	7.00	117	1455477	9.71	ppbv	100
36) Benzene	6.87	78	1992546	10.05	ppbv	99
37) 1,2-Dichloroethane	6.29	62	967408	10.21	ppbv	100
38) Trichloroethene	7.82	130	771262	9.74	ppbv	99
39) 1,2-Dichloropropane	7.60	63	766419	10.05	ppbv	98
40) 1,4-Dioxane	7.82	88	189538	9.93	ppbv	95
41) Tetrahydrofuran	6.04	42	459808	9.87	ppbv	99
42) Bromodichloromethane	7.77	83	1556355	10.36	ppbv	99
43) Methyl Methacrylate	8.00	69	716976	10.53	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3304417	9.86	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	561707	11.45	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	748793	11.16	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	822650	10.58	ppbv	97
48) Dibromochloromethane	10.28	129	1430871	11.59	ppbv	100
49) Bromoform	13.02	173	1220236	12.91	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1351622	11.58	ppbv	99
51) 2-Hexanone	10.12	43	629205	12.75	ppbv	100
52) Tetrachloroethene	11.20	164	726760	10.00	ppbv	98
53) Toluene	9.79	91	2305930	10.89	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1213117	10.92	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	925645	10.25	ppbv	98
57) Chlorobenzene	12.13	112	1698926	10.04	ppbv	97
58) Ethyl Benzene	12.69	91	2992433	10.43	ppbv	100
59) m/p-Xylene	12.98	91	5034901m	20.50	ppbv	
60) o-Xylene	13.67	91	2440570	10.52	ppbv	100
61) Styrene	13.51	104	1308907	11.45	ppbv	99
62) Isopropylbenzene	14.64	105	3370538	10.53	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1913684	9.76	ppbv	100
64) n-propylbenzene	15.54	120	912054	11.18	ppbv	98
65) tert-Butylbenzene	16.72	119	3007996	10.51	ppbv	99
66) Benzyl Chloride	16.97	91	178541	10.53	ppbv	100
67) sec-Butylbenzene	17.27	105	4312259	10.60	ppbv	100
69) p-Isopropyltoluene	17.63	119	3522959	10.45	ppbv	99
70) n-Butylbenzene	18.53	91	3617503	10.08	ppbv	99
71) 2-Chlorotoluene	15.43	91	2538163	10.68	ppbv	98
72) 4-Ethyltoluene	15.82	105	2958589	11.10	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2643514	10.69	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2732127	10.34	ppbv #	92
75) 1,3-Dichlorobenzene	16.97	146	1743963	10.46	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1679582	10.17	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1679834	9.96	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1157162	7.03	ppbv	100
79) Naphthalene	22.17	128	2028062	8.53	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	433793	10.34	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1198285	7.89	ppbv	99

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

