

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL038988.D
 Acq On : 9 May 2022 14:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: May 10 05:53:29 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A

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

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 05/10/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1103319	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2527596	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2502564	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2014900	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1571116	9.088	ppbv	97
3) Chlorodifluoromethane	2.98	51	1368951	9.999	ppbv	98
4) Chloromethane	3.13	50	663718	9.681	ppbv	97
5) Vinyl Chloride	3.25	62	655490	10.470	ppbv	97
6) Bromomethane	3.47	94	334721	11.317	ppbv	97
7) Chloroethane	3.55	64	233501	11.143	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1668970	10.652	ppbv	98
9) Propene	3.01	41	544867	9.113	ppbv	96
10) Heptane	8.10	43	1405726	9.584	ppbv	100
11) Trichlorofluoromethane	3.94	101	1653257	11.146	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1173352	11.484	ppbv	99
13) Ethanol	3.60	45	36541m	8.636	ppbv	
14) Bromoethene	3.73	108	487313	11.566	ppbv	96
15) Acetone	3.84	43	1145739	11.009	ppbv	99
16) 1,3-Butadiene	3.32	39	631233	10.557	ppbv	99
17) tert-Butyl alcohol	4.27	59	921687	11.522	ppbv	99
18) 1,1-Dichloroethene	4.28	96	511866	11.640	ppbv	97
19) Isopropyl Alcohol	3.95	45	553815	11.192	ppbv #	96
20) Methylene Chloride	4.33	84	432361	11.022	ppbv	95
21) Allyl Chloride	4.40	41	808481	11.400	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	545555	11.485	ppbv	96
23) Vinyl Acetate	5.06	43	985437	11.967	ppbv #	97
24) 1,1-Dichloroethane	5.00	63	1079185	11.381	ppbv	99
25) Ethyl Acetate	5.66	43	2557278	10.266	ppbv	99
26) Hexane	5.67	57	1083242	9.787	ppbv	99
27) Carbon Disulfide	4.54	76	1322742	12.581	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	941334	11.178	ppbv	99
29) Chloroform	5.74	83	1866217	10.422	ppbv	100
30) Cyclohexane	7.11	84	859591	9.276	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1160757	10.294	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1908779	10.661	ppbv	99
34) 2-Butanone	5.23	43	1275404	9.891	ppbv	100
35) Carbon Tetrachloride	7.00	117	1992981	11.967	ppbv	98
36) Benzene	6.87	78	2133099	9.861	ppbv	96
37) 1,2-Dichloroethane	6.29	62	1587126	11.859	ppbv	97
38) Trichloroethene	7.82	130	951020	9.890	ppbv	96
39) 1,2-Dichloropropane	7.59	63	855108	10.160	ppbv #	88
40) 1,4-Dioxane	7.81	88	289500	9.577	ppbv	82
41) Tetrahydrofuran	6.03	42	893301	10.307	ppbv	98
42) Bromodichloromethane	7.77	83	2093910	11.444	ppbv	97
43) Methyl Methacrylate	7.99	69	919678	10.473	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3740459	9.855	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1101563	12.959	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1337814	11.868	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	887335	10.137	ppbv	98
48) Dibromochloromethane	10.28	129	1662321	11.667	ppbv	100
49) Bromoform	13.01	173	1319802	12.146	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2425010	10.724	ppbv	99
51) 2-Hexanone	10.10	43	1928513	11.686	ppbv #	98
52) Tetrachloroethene	11.20	164	753266	9.745	ppbv	96
53) Toluene	9.78	91	2499288	10.309	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1280985	10.749	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1121399	10.213	ppbv	98
57) Chlorobenzene	12.12	112	1803917	9.616	ppbv	99
58) Ethyl Benzene	12.68	91	3441562	9.556	ppbv	98
59) m/p-Xylene	12.97	91	6078863m	19.771	ppbv	
60) o-Xylene	13.67	91	2887095	9.977	ppbv	98
61) Styrene	13.50	104	1603470	10.379	ppbv	98
62) Isopropylbenzene	14.64	105	4098103	9.684	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1621152	9.514	ppbv	98
64) n-propylbenzene	15.54	120	1017975	9.950	ppbv	94
65) tert-Butylbenzene	16.72	119	3651499	9.848	ppbv	98
66) Benzyl Chloride	16.96	91	662869	13.677	ppbv	99
67) sec-Butylbenzene	17.27	105	5219621	9.853	ppbv	99
69) p-Isopropyltoluene	17.63	119	4308510	10.068	ppbv	98
70) n-Butylbenzene	18.52	91	4677093	10.287	ppbv	99
71) 2-Chlorotoluene	15.43	91	3209079	9.837	ppbv	99
72) 4-Ethyltoluene	15.81	105	3415175	10.357	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3033681	10.219	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3316755	10.204	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	1792064	10.062	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1807529	10.317	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1782400	10.119	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1471480	9.090	ppbv	99
79) Naphthalene	22.16	128	3012445	11.409	ppbv	100
80) Naphthalene,2-methyl-	24.94	142	1057756	13.243	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	1595547	10.313	ppbv	99

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

