

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038553.D
 Acq On : 8 Mar 2022 11:08
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/13/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 08 14:07:32 2022

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

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	923790	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2444296	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2232252m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1778101	9.63	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1271424	8.69	ppbv	97
3) Chlorodifluoromethane	2.99	51	1482473	9.09	ppbv	97
4) Chloromethane	3.14	50	561942	9.91	ppbv	98
5) Vinyl Chloride	3.25	62	539698	9.11	ppbv	99
6) Bromomethane	3.47	94	302077	9.67	ppbv	96
7) Chloroethane	3.55	64	181041	9.51	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1242913	9.13	ppbv	92
9) Propene	3.01	41	534682	9.93	ppbv	98
10) Heptane	8.11	43	1352906	10.32	ppbv	100
11) Trichlorofluoromethane	3.94	101	1136301	8.11	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	879587	8.56	ppbv	89
13) Ethanol	3.60	45	53136m	9.89	ppbv	
14) Bromoethene	3.74	108	399695	9.77	ppbv #	96
15) Acetone	3.84	43	580797	7.39	ppbv	98
16) 1,3-Butadiene	3.32	39	499595	9.52	ppbv	94
17) tert-Butyl alcohol	4.28	59	681569	8.70	ppbv	99
18) 1,1-Dichloroethene	4.28	96	395970	8.78	ppbv	93
19) Isopropyl Alcohol	3.96	45	398553	8.76	ppbv	99
20) Methylene Chloride	4.34	84	329731	8.47	ppbv	93
21) Allyl Chloride	4.40	41	605422	9.12	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	429132	9.43	ppbv	94
23) Vinyl Acetate	5.06	43	936165	8.99	ppbv	99
24) 1,1-Dichloroethane	5.00	63	794036	8.48	ppbv	100
25) Ethyl Acetate	5.66	43	2105223	9.97	ppbv	99
26) Hexane	5.68	57	984236	10.30	ppbv	95
27) Carbon Disulfide	4.54	76	1027810	9.67	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	823355	8.46	ppbv	99
29) Chloroform	5.74	83	1500911	9.62	ppbv	98
30) Cyclohexane	7.12	84	838759	10.73	ppbv	93
31) cis-1,2-Dichloroethene	5.54	61	949889	10.26	ppbv	93
32) 1,1,1-Trichloroethane	6.50	97	1446299	9.22	ppbv	98
34) 2-Butanone	5.23	43	645669	8.40	ppbv	99
35) Carbon Tetrachloride	7.01	117	1520228	8.84	ppbv	100
36) Benzene	6.88	78	2095350	9.74	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1037812	8.35	ppbv #	96
38) Trichloroethene	7.82	130	791684	10.10	ppbv	91
39) 1,2-Dichloropropane	7.60	63	811834	9.47	ppbv	94
40) 1,4-Dioxane	7.82	88	200756	9.88	ppbv	84
41) Tetrahydrofuran	6.04	42	527744	10.16	ppbv	98
42) Bromodichloromethane	7.78	83	1608163	8.96	ppbv	99
43) Methyl Methacrylate	8.00	69	772508	10.33	ppbv	92

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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	3433574	9.28	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	600291	10.04	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	791307	10.10	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	822598	9.65	ppbv	95
48) Dibromochloromethane	10.29	129	1380977	9.90	ppbv	100
49) Bromoform	13.02	173	1083748	10.53	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1332610	9.80	ppbv	97
51) 2-Hexanone	10.12	43	590361	9.70	ppbv #	95
52) Tetrachloroethene	11.21	164	727539	10.18	ppbv	93
53) Toluene	9.79	91	2327003	9.96	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1184261	9.87	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	867379	9.32	ppbv	97
57) Chlorobenzene	12.13	112	1619892	9.41	ppbv	96
58) Ethyl Benzene	12.70	91	2878456	9.43	ppbv	98
59) m/p-Xylene	12.99	91	4745770m	18.10	ppbv	
60) o-Xylene	13.68	91	2215253	8.94	ppbv	95
61) Styrene	13.51	104	1246799	10.91	ppbv	95
62) Isopropylbenzene	14.65	105	3077732	9.25	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1654117	8.22	ppbv	99
64) n-propylbenzene	15.55	120	817063	9.92	ppbv	94
65) tert-Butylbenzene	16.73	119	2738501	9.51	ppbv	92
66) Benzyl Chloride	16.97	91	180439	11.59	ppbv #	95
67) sec-Butylbenzene	17.28	105	3937774	9.65	ppbv	99
69) p-Isopropyltoluene	17.64	119	3366435	10.50	ppbv	96
70) n-Butylbenzene	18.54	91	3603214	10.86	ppbv	98
71) 2-Chlorotoluene	15.44	91	2344683	9.17	ppbv	95
72) 4-Ethyltoluene	15.82	105	2661659	9.75	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2395871	9.66	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	2555230	9.76	ppbv #	89
75) 1,3-Dichlorobenzene	16.98	146	1644461	11.22	ppbv	97
76) 1,4-Dichlorobenzene	17.12	146	1604111	11.09	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1637136	11.60	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	1488443	13.83	ppbv	99
79) Naphthalene	22.18	128	2926654	20.63	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	547717	19.76	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	1634096	19.05	ppbv	98

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

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