

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038765.D
 Acq On : 25 Mar 2022 14:19
 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 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 10:42:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	838616	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	2287614	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2122148m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1670232	10.27	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	953972	8.46	ppbv	99
3) Chlorodifluoromethane	3.01	51	796310	8.99	ppbv	97
4) Chloromethane	3.16	50	435353	8.95	ppbv	100
5) Vinyl Chloride	3.28	62	467224	9.46	ppbv	96
6) Bromomethane	3.50	94	276901	10.51	ppbv	99
7) Chloroethane	3.58	64	159133	9.73	ppbv	97
8) Dichlorotetrafluoroethane	3.21	85	1121790	9.97	ppbv	99
9) Propene	3.03	41	334476	7.82	ppbv	98
10) Heptane	8.15	43	898881	8.79	ppbv	97
11) Trichlorofluoromethane	3.97	101	1105083	11.11	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.51	101	838433	10.95	ppbv	98
13) Ethanol	3.64	45	25409m	5.39	ppbv	
14) Bromoethene	3.76	108	371116	10.90	ppbv	96
15) Acetone	3.87	43	739733	10.22	ppbv	100
16) 1,3-Butadiene	3.35	39	400566	9.75	ppbv	98
17) tert-Butyl alcohol	4.31	59	804098	12.72	ppbv	99
18) 1,1-Dichloroethene	4.31	96	364206	10.58	ppbv	98
19) Isopropyl Alcohol	3.99	45	390820	9.74	ppbv #	98
20) Methylene Chloride	4.37	84	308526	10.12	ppbv	99
21) Allyl Chloride	4.44	41	571159	10.97	ppbv	100
22) trans-1,2-Dichloroethene	4.91	96	390942	10.95	ppbv	100
23) Vinyl Acetate	5.10	43	522952	7.46	ppbv #	99
24) 1,1-Dichloroethane	5.04	63	732927	10.62	ppbv	99
25) Ethyl Acetate	5.70	43	1831172	10.05	ppbv	99
26) Hexane	5.72	57	727535	8.92	ppbv	91
27) Carbon Disulfide	4.58	76	953863	11.92	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	671570	11.05	ppbv	99
29) Chloroform	5.78	83	1223044	9.37	ppbv	100
30) Cyclohexane	7.16	84	637673	8.99	ppbv	95
31) cis-1,2-Dichloroethene	5.57	61	730244	9.52	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1200198	9.52	ppbv	99
34) 2-Butanone	5.27	43	936866	10.35	ppbv	97
35) Carbon Tetrachloride	7.05	117	1280684	9.65	ppbv	99
36) Benzene	6.92	78	1547525	8.77	ppbv	99
37) 1,2-Dichloroethane	6.34	62	839041	9.34	ppbv	99
38) Trichloroethene	7.87	130	659825	8.92	ppbv	99
39) 1,2-Dichloropropane	7.64	63	582709	8.44	ppbv	99
40) 1,4-Dioxane	7.86	88	147446m	6.15	ppbv	
41) Tetrahydrofuran	6.08	42	569525	8.45	ppbv	97
42) Bromodichloromethane	7.82	83	1278396	9.49	ppbv	99
43) Methyl Methacrylate	8.04	69	657944	10.04	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2515383	8.49	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	718661	10.78	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	899795	9.98	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	647875	8.79	ppbv	99
48) Dibromochloromethane	10.33	129	1147948	9.95	ppbv	99
49) Bromoform	13.07	173	954702	10.15	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1460264	8.67	ppbv	98
51) 2-Hexanone	10.16	43	1112238	9.20	ppbv #	100
52) Tetrachloroethene	11.26	164	563907	8.73	ppbv	98
53) Toluene	9.84	91	1792777	9.45	ppbv	98
54) 1,2-Dibromoethane	10.64	107	964490	9.59	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	854672	9.71	ppbv	99
57) Chlorobenzene	12.18	112	1335407	8.72	ppbv	99
58) Ethyl Benzene	12.74	91	2279689	9.19	ppbv	99
59) m/p-Xylene	13.03	91	3980524m	18.34	ppbv	
60) o-Xylene	13.72	91	1899653	9.22	ppbv	100
61) Styrene	13.56	104	1118193	10.01	ppbv	99
62) Isopropylbenzene	14.70	105	2911627	9.40	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1318648	8.26	ppbv	98
64) n-propylbenzene	15.59	120	770048	9.47	ppbv	94
65) tert-Butylbenzene	16.77	119	2602487	9.35	ppbv	98
66) Benzyl Chloride	17.01	91	571088	10.84	ppbv	100
67) sec-Butylbenzene	17.32	105	3691795	9.27	ppbv	100
69) p-Isopropyltoluene	17.68	119	3049932	9.39	ppbv	99
70) n-Butylbenzene	18.58	91	3148449	9.40	ppbv	100
71) 2-Chlorotoluene	15.48	91	2125298	9.24	ppbv	98
72) 4-Ethyltoluene	15.87	105	2284927	9.39	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	1995969	9.01	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2180814	9.03	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1313430	8.54	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1289474	8.43	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	1272071	8.35	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	965449	6.86	ppbv	99
79) Naphthalene	22.23	128	1723527	9.34	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	436008	8.82	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	985916	7.81	ppbv	99

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

