

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102021\
 Data File : VL037878.D
 Acq On : 20 Oct 2021 8:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

Quant Time: Oct 21 01:38:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1257344	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3710491	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3317409m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2363148	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1470248	7.321	ppbv	98
3) Chlorodifluoromethane	2.99	51	2533670	10.487	ppbv	100
4) Chloromethane	3.14	50	954292	10.784	ppbv	96
5) Vinyl Chloride	3.26	62	910767	11.228	ppbv	98
6) Bromomethane	3.47	94	468849	10.685	ppbv	99
7) Chloroethane	3.56	64	318132	10.667	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2063575	10.396	ppbv	98
9) Propene	3.01	41	896883	10.089	ppbv	97
10) Heptane	8.12	43	2356260	11.671	ppbv	99
11) Trichlorofluoromethane	3.95	101	1895388	10.578	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1485615	10.943	ppbv	99
13) Ethanol	3.60	45	81082m	11.153	ppbv	
14) Bromoethene	3.74	108	618619	10.363	ppbv	97
15) Acetone	3.85	43	1071774	9.495	ppbv	100
16) 1,3-Butadiene	3.33	39	874620	10.650	ppbv	98
17) tert-Butyl alcohol	4.29	59	1250836	10.760	ppbv	99
18) 1,1-Dichloroethene	4.29	96	652083	10.569	ppbv	94
19) Isopropyl Alcohol	3.96	45	682494	9.719	ppbv #	94
20) Methylene Chloride	4.34	84	569426	9.985	ppbv	97
21) Allyl Chloride	4.41	41	1036329	10.364	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	677418	10.921	ppbv	96
23) Vinyl Acetate	5.07	43	1756789	10.386	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1393243	11.315	ppbv	99
25) Ethyl Acetate	5.67	43	3529220	11.143	ppbv	99
26) Hexane	5.68	57	1672711	10.725	ppbv	98
27) Carbon Disulfide	4.55	76	1691144	12.235	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1354318	10.430	ppbv	99
29) Chloroform	5.75	83	2392819	10.733	ppbv	99
30) Cyclohexane	7.13	84	1426831	10.789	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1542065	10.891	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2255928	10.674	ppbv	100
34) 2-Butanone	5.24	43	1211728	8.089	ppbv	98
35) Carbon Tetrachloride	7.01	117	2377313	11.281	ppbv	98
36) Benzene	6.89	78	3526855	11.128	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1648212	11.045	ppbv	100
38) Trichloroethene	7.83	130	1398082	11.166	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1339636	11.238	ppbv	95
40) 1,4-Dioxane	7.83	88	243755m	8.171	ppbv	
41) Tetrahydrofuran	6.05	42	822131	11.208	ppbv	98
42) Bromodichloromethane	7.79	83	2539834	11.587	ppbv	99
43) Methyl Methacrylate	8.01	69	1245445	12.031	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5901163	11.083	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	936461	13.148	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1268074	12.845	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1424059	10.989	ppbv	98
48) Dibromochloromethane	10.30	129	2214099	11.985	ppbv	100
49) Bromoform	13.04	173	1756586	12.427	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2324217	11.919	ppbv	100
51) 2-Hexanone	10.13	43	1042181	11.972	ppbv #	99
52) Tetrachloroethene	11.22	164	1277521	10.361	ppbv	98
53) Toluene	9.80	91	4069629	11.587	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1938892	11.076	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1554097	11.316	ppbv	96
57) Chlorobenzene	12.14	112	2999764	11.023	ppbv	99
58) Ethyl Benzene	12.71	91	5075574	11.394	ppbv	99
59) m/p-Xylene	12.99	91	8634616m	22.581	ppbv	
60) o-Xylene	13.69	91	4005749	10.931	ppbv	99
61) Styrene	13.52	104	2221569	12.533	ppbv	98
62) Isopropylbenzene	14.66	105	5725402	11.201	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2849114	10.075	ppbv	96
64) n-propylbenzene	15.55	120	1441741	11.311	ppbv	94
65) tert-Butylbenzene	16.73	119	4847498	10.777	ppbv	99
66) Benzyl Chloride	16.99	91	234453	10.562	ppbv #	97
67) sec-Butylbenzene	17.29	105	6695062	10.883	ppbv	99
69) p-Isopropyltoluene	17.64	119	5490611	11.040	ppbv	100
70) n-Butylbenzene	18.54	91	5303998	11.226	ppbv	99
71) 2-Chlorotoluene	15.45	91	3914709	10.846	ppbv	98
72) 4-Ethyltoluene	15.83	105	4898717	11.773	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4378725	11.585	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4427668	11.156	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2685020	10.919	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2589555	11.039	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2532890	10.723	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1813702	9.404	ppbv	99
79) Naphthalene	22.18	128	2896940	11.918	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	640920	9.820	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1761656m	11.332	ppbv	

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

