

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038021.D
 Acq On : 11 Nov 2021 10:09
 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 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 12 06:04:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1246879	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	3849514	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3566820m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2640794	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2094404	11.922	ppbv	94
3) Chlorodifluoromethane	2.98	51	2004993	8.638	ppbv	99
4) Chloromethane	3.13	50	688046	7.800	ppbv	99
5) Vinyl Chloride	3.25	62	700878	8.244	ppbv	97
6) Bromomethane	3.46	94	235241	5.122	ppbv	99
7) Chloroethane	3.55	64	251577	8.197	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1652761	8.167	ppbv	99
9) Propene	3.01	41	693447	8.332	ppbv	95
10) Heptane	8.10	43	1706795	8.815	ppbv	99
11) Trichlorofluoromethane	3.94	101	1508367	8.623	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1168862	8.572	ppbv	100
13) Ethanol	3.59	45	73358m	8.737	ppbv	
14) Bromoethene	3.73	108	504184	8.452	ppbv	99
15) Acetone	3.84	43	770479	7.478	ppbv	97
16) 1,3-Butadiene	3.32	39	773058	9.522	ppbv	89
17) tert-Butyl alcohol	4.28	59	832385m	7.770	ppbv	
18) 1,1-Dichloroethene	4.28	96	522973	8.333	ppbv	97
19) Isopropyl Alcohol	3.95	45	482164	7.318	ppbv #	92
20) Methylene Chloride	4.33	84	427595	7.559	ppbv	91
21) Allyl Chloride	4.40	41	688489	7.242	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	517945	8.305	ppbv	95
23) Vinyl Acetate	5.06	43	1237466	7.976	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1094437	8.539	ppbv	100
25) Ethyl Acetate	5.66	43	2491072	8.140	ppbv	99
26) Hexane	5.67	57	1256683	8.667	ppbv	94
27) Carbon Disulfide	4.54	76	1304364	9.113	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1091486	8.954	ppbv	99
29) Chloroform	5.74	83	1735033	8.024	ppbv	97
30) Cyclohexane	7.11	84	1075493	8.677	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1170610	8.849	ppbv	100
32) 1,1,1-Trichloroethane	6.49	97	1651570	7.771	ppbv	99
34) 2-Butanone	5.23	43	1104266	7.741	ppbv	99
35) Carbon Tetrachloride	7.00	117	1650583	7.092	ppbv	99
36) Benzene	6.87	78	2602315	8.301	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1248566	8.377	ppbv	97
38) Trichloroethene	7.81	130	1026208	7.887	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1022216	8.666	ppbv	100
40) 1,4-Dioxane	7.81	88	245478	7.902	ppbv	93
41) Tetrahydrofuran	6.03	42	569040	8.153	ppbv	98
42) Bromodichloromethane	7.77	83	1909233	8.473	ppbv	99
43) Methyl Methacrylate	7.99	69	984269	9.565	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4445916	8.338	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	303081	4.009	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	545628	5.249	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1065245	8.038	ppbv	98
48) Dibromochloromethane	10.28	129	1704703	9.085	ppbv	97
49) Bromoform	13.01	173	1433692	9.666	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	1754830	9.363	ppbv	98
51) 2-Hexanone	10.11	43	915574	11.591	ppbv #	95
52) Tetrachloroethene	11.19	164	1001933	8.425	ppbv	97
53) Toluene	9.78	91	3110985	9.257	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1423651	8.329	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1179798	8.193	ppbv	96
57) Chlorobenzene	12.12	112	2286364	8.031	ppbv	99
58) Ethyl Benzene	12.68	91	4080881	9.356	ppbv	100
59) m/p-Xylene	12.97	91	6660859m	17.181	ppbv	
60) o-Xylene	13.66	91	3167063	8.664	ppbv	97
61) Styrene	13.50	104	1705477	10.159	ppbv	100
62) Isopropylbenzene	14.64	105	4534888	8.762	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2276043	7.234	ppbv	99
64) n-propylbenzene	15.53	120	1204717	9.084	ppbv	98
65) tert-Butylbenzene	16.72	119	3953860	8.644	ppbv	100
66) Benzyl Chloride	16.95	91	59205m	2.477	ppbv	
67) sec-Butylbenzene	17.26	105	5530134	8.775	ppbv	99
69) p-Isopropyltoluene	17.63	119	4588487	9.077	ppbv	100
70) n-Butylbenzene	18.52	91	4427280	9.531	ppbv	100
71) 2-Chlorotoluene	15.42	91	3368668	9.289	ppbv	99
72) 4-Ethyltoluene	15.81	105	3787389	9.044	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3366372	8.584	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	3473258	8.454	ppbv #	91
75) 1,3-Dichlorobenzene	16.97	146	2137546	8.356	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2049229	8.279	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2116945m	8.814	ppbv	
78) Hexachloro-1,3-Butadiene	23.34	225	1561303	7.594	ppbv	98
79) Naphthalene	22.16	128	2313316	9.773	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	361507	7.845	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	1408397	9.141	ppbv	99

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

