

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038092.D
 Acq On : 19 Nov 2021 19:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Nov 22 07:24:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	785533	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2261645	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2061126m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1559473	10.49	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1473952	11.359	ppbv	98
3) Chlorodifluoromethane	2.98	51	1729589	10.485	ppbv	98
4) Chloromethane	3.13	50	565375	10.068	ppbv	95
5) Vinyl Chloride	3.24	62	577282	10.479	ppbv	100
6) Bromomethane	3.46	94	316497	10.724	ppbv	99
7) Chloroethane	3.54	64	188750	9.654	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	1361352	10.547	ppbv	97
9) Propene	3.00	41	591196	9.731	ppbv	97
10) Heptane	8.09	43	1494617	9.954	ppbv	99
11) Trichlorofluoromethane	3.93	101	1294608	10.491	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	901562	10.328	ppbv	99
13) Ethanol	3.59	45	48310m	8.228	ppbv	
14) Bromoethene	3.72	108	392178	10.033	ppbv	99
15) Acetone	3.83	43	680445	9.991	ppbv	96
16) 1,3-Butadiene	3.31	39	550460	10.360	ppbv	97
17) tert-Butyl alcohol	4.27	59	755860	9.149	ppbv	99
18) 1,1-Dichloroethene	4.27	96	406725	10.157	ppbv	97
19) Isopropyl Alcohol	3.94	45	415623	8.446	ppbv	# 99
20) Methylene Chloride	4.32	84	328658	8.615	ppbv	95
21) Allyl Chloride	4.39	41	620699	9.846	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	438114	10.801	ppbv	98
23) Vinyl Acetate	5.05	43	1008972	10.234	ppbv	99
24) 1,1-Dichloroethane	4.99	63	861658	10.495	ppbv	99
25) Ethyl Acetate	5.65	43	2259334	9.981	ppbv	99
26) Hexane	5.66	57	1064786	9.760	ppbv	99
27) Carbon Disulfide	4.53	76	1007390	10.308	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	938496	10.127	ppbv	99
29) Chloroform	5.73	83	1658732	10.316	ppbv	100
30) Cyclohexane	7.10	84	953217	9.624	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1081106	10.417	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	1659748	10.171	ppbv	98
34) 2-Butanone	5.22	43	880490	9.655	ppbv	98
35) Carbon Tetrachloride	6.99	117	1721719	10.835	ppbv	99
36) Benzene	6.86	78	2320974	10.288	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1288557	11.826	ppbv	98
38) Trichloroethene	7.81	130	806563	9.478	ppbv	98
39) 1,2-Dichloropropane	7.58	63	905005	10.457	ppbv	96
40) 1,4-Dioxane	7.81	88	212412	9.421	ppbv	# 1
41) Tetrahydrofuran	6.02	42	580350	10.252	ppbv	98
42) Bromodichloromethane	7.76	83	1841044	11.114	ppbv	99
43) Methyl Methacrylate	7.99	69	855151	11.079	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3769443	9.987	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	763508	12.332	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	980667	11.711	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	901799	9.950	ppbv	92
48) Dibromochloromethane	10.27	129	1465552	10.618	ppbv	98
49) Bromoform	13.00	173	1020461	10.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1570746	11.341	ppbv	98
51) 2-Hexanone	10.10	43	740250	11.361	ppbv #	99
52) Tetrachloroethene	11.19	164	738974	8.852	ppbv	92
53) Toluene	9.77	91	2571171	9.905	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1296988	10.131	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	932358	9.965	ppbv	97
57) Chlorobenzene	12.11	112	1802738	9.758	ppbv	94
58) Ethyl Benzene	12.68	91	3348768	9.830	ppbv	98
59) m/p-Xylene	12.96	91	5498095m	19.172	ppbv	
60) o-Xylene	13.66	91	2500018	9.398	ppbv	97
61) Styrene	13.49	104	1384342	9.706	ppbv	95
62) Isopropylbenzene	14.63	105	3499041	9.266	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	1745066	8.831	ppbv	99
64) n-propylbenzene	15.52	120	889810	9.250	ppbv	94
65) tert-Butylbenzene	16.71	119	2899044	8.714	ppbv	97
66) Benzyl Chloride	16.95	91	130748	7.754	ppbv	95
67) sec-Butylbenzene	17.26	105	4117862	8.883	ppbv	100
69) p-Isopropyltoluene	17.62	119	3332232	9.189	ppbv	98
70) n-Butylbenzene	18.51	91	3384904	9.763	ppbv	99
71) 2-Chlorotoluene	15.42	91	2620948	9.493	ppbv	97
72) 4-Ethyltoluene	15.80	105	2964857	9.612	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	2608660	9.260	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2651275	9.133	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	1468946	9.213	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1421176	8.857	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	1408153	9.121	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	975530	10.120	ppbv	97
79) Naphthalene	22.15	128	2055534	13.445	ppbv	98
80) Naphthalene, 2-methyl-	24.94	142	453515	13.842	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1049233	11.944	ppbv	99

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

