

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038077.D
 Acq On : 19 Nov 2021 7:15
 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 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 22 06:31:25 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	738025	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2205347	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2008407m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1480281	10.22	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1208051	9.910	ppbv	99
3) Chlorodifluoromethane	2.99	51	1494356	9.642	ppbv	100
4) Chloromethane	3.14	50	500695	9.490	ppbv	100
5) Vinyl Chloride	3.26	62	515995	9.969	ppbv	94
6) Bromomethane	3.47	94	282003	10.171	ppbv	98
7) Chloroethane	3.56	64	168586	9.177	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1178272	9.716	ppbv	100
9) Propene	3.01	41	539146	9.445	ppbv	99
10) Heptane	8.11	43	1349094	9.563	ppbv	99
11) Trichlorofluoromethane	3.94	101	1121408	9.672	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	803787	9.801	ppbv	99
13) Ethanol	3.60	45	47503	8.612	ppbv	98
14) Bromoethene	3.74	108	362209	9.863	ppbv	97
15) Acetone	3.84	43	595991	9.314	ppbv	98
16) 1,3-Butadiene	3.32	39	493207	9.880	ppbv	99
17) tert-Butyl alcohol	4.28	59	713518	9.193	ppbv	100
18) 1,1-Dichloroethene	4.28	96	363483	9.661	ppbv	98
19) Isopropyl Alcohol	3.96	45	432076	9.345	ppbv #	95
20) Methylene Chloride	4.34	84	299062	8.344	ppbv	95
21) Allyl Chloride	4.40	41	564783	9.535	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	379458	9.957	ppbv	97
23) Vinyl Acetate	5.06	43	915002	9.878	ppbv	98
24) 1,1-Dichloroethane	5.00	63	786161	10.192	ppbv	98
25) Ethyl Acetate	5.66	43	2050072	9.640	ppbv	99
26) Hexane	5.68	57	953527	9.302	ppbv	99
27) Carbon Disulfide	4.55	76	916169	9.978	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	866083	9.947	ppbv	100
29) Chloroform	5.74	83	1453103	9.619	ppbv	98
30) Cyclohexane	7.12	84	870847	9.358	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	962348	9.869	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1465925	9.561	ppbv	99
34) 2-Butanone	5.24	43	853455	9.597	ppbv	98
35) Carbon Tetrachloride	7.01	117	1509513	9.742	ppbv	99
36) Benzene	6.88	78	2111151	9.597	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1075134	10.119	ppbv	99
38) Trichloroethene	7.82	130	767529	9.249	ppbv	98
39) 1,2-Dichloropropane	7.60	63	821343	9.733	ppbv	97
40) 1,4-Dioxane	7.82	88	196048	8.917	ppbv #	1
41) Tetrahydrofuran	6.04	42	537747	9.741	ppbv	98
42) Bromodichloromethane	7.78	83	1609060	9.962	ppbv	100
43) Methyl Methacrylate	8.00	69	785633	10.439	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3425244	9.306	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	704933	11.677	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	889024	10.888	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	853335	9.655	ppbv	99
48) Dibromochloromethane	10.28	129	1371005	10.186	ppbv	100
49) Bromoform	13.02	173	1013269	10.523	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	1362560	10.089	ppbv	100
51) 2-Hexanone	10.12	43	655344	10.314	ppbv	99
52) Tetrachloroethene	11.20	164	705467	8.667	ppbv	96
53) Toluene	9.79	91	2425216	9.582	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1240381	9.936	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	875046	9.598	ppbv	99
57) Chlorobenzene	12.13	112	1707282	9.484	ppbv	99
58) Ethyl Benzene	12.69	91	3185478	9.596	ppbv	100
59) m/p-Xylene	12.98	91	5205152m	18.627	ppbv	
60) o-Xylene	13.67	91	2400968	9.262	ppbv	99
61) Styrene	13.51	104	1397305	10.054	ppbv	99
62) Isopropylbenzene	14.65	105	3373477	9.168	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1723245	8.950	ppbv	99
64) n-propylbenzene	15.54	120	894403	9.541	ppbv	98
65) tert-Butylbenzene	16.73	119	2912974	8.986	ppbv	99
66) Benzyl Chloride	16.97	91	160566	9.773	ppbv	97
67) sec-Butylbenzene	17.27	105	4166564	9.224	ppbv	100
69) p-Isopropyltoluene	17.64	119	3409809	9.650	ppbv	99
70) n-Butylbenzene	18.53	91	3374340	9.988	ppbv	100
71) 2-Chlorotoluene	15.44	91	2560822	9.519	ppbv	99
72) 4-Ethyltoluene	15.82	105	2918397	9.710	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2610747	9.511	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2700577	9.547	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1547470	9.960	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1493897	9.555	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1469929	9.771	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	792088	8.433	ppbv	98
79) Naphthalene	22.17	128	1539743	10.336	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	383389	12.009	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	839412	9.806	ppbv	100

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

