

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038145.D
 Acq On : 7 Dec 2021 11:34
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 14:34:49 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	5.66	49	872314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2482864	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2384893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1807294	10.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1091309	7.574	ppbv	100
3) Chlorodifluoromethane	2.99	51	1968073	10.743	ppbv	97
4) Chloromethane	3.14	50	681650	10.931	ppbv	98
5) Vinyl Chloride	3.26	62	685912	11.212	ppbv	99
6) Bromomethane	3.47	94	373091	11.384	ppbv	99
7) Chloroethane	3.56	64	225689	10.395	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1563227	10.906	ppbv	95
9) Propene	3.01	41	672034	9.961	ppbv	97
10) Heptane	8.11	43	1711006	10.261	ppbv	100
11) Trichlorofluoromethane	3.95	101	1623320	11.846	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1162278	11.990	ppbv	96
13) Ethanol	3.60	45	56441	8.657	ppbv	96
14) Bromoethene	3.74	108	493138	11.361	ppbv	98
15) Acetone	3.85	43	812832	10.747	ppbv	97
16) 1,3-Butadiene	3.33	39	638877	10.828	ppbv	99
17) tert-Butyl alcohol	4.28	59	940930	10.256	ppbv	100
18) 1,1-Dichloroethene	4.29	96	518278	11.655	ppbv	98
19) Isopropyl Alcohol	3.96	45	533123	9.756	ppbv #	99
20) Methylene Chloride	4.34	84	470235	11.100	ppbv	98
21) Allyl Chloride	4.41	41	789094	11.272	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	552975	12.277	ppbv	97
23) Vinyl Acetate	5.07	43	1298699	11.862	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1077328	11.817	ppbv	98
25) Ethyl Acetate	5.67	43	2621021	10.427	ppbv	99
26) Hexane	5.68	57	1234808	10.192	ppbv	98
27) Carbon Disulfide	4.55	76	1240431	11.430	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1168212	11.351	ppbv	100
29) Chloroform	5.75	83	1956835	10.959	ppbv	100
30) Cyclohexane	7.12	84	1063276	9.667	ppbv	95
31) cis-1,2-Dichloroethene	5.54	61	1216964	10.559	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	1967349	10.856	ppbv	98
34) 2-Butanone	5.24	43	870898	8.699	ppbv	97
35) Carbon Tetrachloride	7.01	117	2006988	11.505	ppbv	97
36) Benzene	6.88	78	2654890	10.719	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1526596	12.762	ppbv	96
38) Trichloroethene	7.83	130	925636	9.908	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1038736	10.933	ppbv	95
40) 1,4-Dioxane	7.83	88	259188	10.471	ppbv #	1
41) Tetrahydrofuran	6.04	42	651354	10.481	ppbv	99
42) Bromodichloromethane	7.78	83	2147599	11.810	ppbv	97
43) Methyl Methacrylate	8.00	69	989306	11.676	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4320653	10.427	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	879005	12.933	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1124206	12.229	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1056824	10.621	ppbv	94
48) Dibromochloromethane	10.29	129	1706277	11.260	ppbv	97
49) Bromoform	13.03	173	1258454	11.609	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	1771970	11.654	ppbv	98
51) 2-Hexanone	10.12	43	825964	11.547	ppbv #	96
52) Tetrachloroethene	11.21	164	859358	9.377	ppbv	97
53) Toluene	9.79	91	2969556	10.421	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1532738	10.905	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1108649	10.240	ppbv	97
57) Chlorobenzene	12.13	112	2086881	9.763	ppbv	95
58) Ethyl Benzene	12.69	91	3939826	9.995	ppbv	98
59) m/p-Xylene	12.98	91	6603688m	19.901	ppbv	
60) o-Xylene	13.68	91	2934655	9.534	ppbv	98
61) Styrene	13.51	104	1637379	9.922	ppbv	96
62) Isopropylbenzene	14.65	105	4070021	9.315	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2139394	9.357	ppbv	99
64) n-propylbenzene	15.55	120	1039903	9.342	ppbv	89
65) tert-Butylbenzene	16.73	119	3430446	8.911	ppbv	96
66) Benzyl Chloride	16.97	91	163074	8.359	ppbv	96
67) sec-Butylbenzene	17.28	105	4896364	9.128	ppbv	99
69) p-Isopropyltoluene	17.64	119	3906559	9.310	ppbv	98
70) n-Butylbenzene	18.54	91	3903168	9.729	ppbv	99
71) 2-Chlorotoluene	15.44	91	3077604	9.634	ppbv	98
72) 4-Ethyltoluene	15.82	105	3504076	9.818	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3136614	9.623	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3151177	9.381	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1721014	9.328	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1659305	8.937	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1638612	9.173	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	910999	8.168	ppbv	98
79) Naphthalene	22.18	128	1707918	9.655	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	291510	7.690	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	929806	9.147	ppbv	98

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

