

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090721\
 Data File : VL037561.D
 Acq On : 7 Sep 2021 21:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:48:32 AM

Quant Time: Sep 08 11:12:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.671	49	1807461	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	5289956	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.086	117	4849971m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.417	95	3608962	10.474	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.054	85	2087773	7.199	ppbv	98
3) Chlorodifluoromethane	2.993	51	2933719	8.476	ppbv	99
4) Chloromethane	3.144	50	1006460	8.138	ppbv	92
5) Vinyl Chloride	3.260	62	988728	7.803	ppbv	97
6) Bromomethane	3.478	94	486446	7.008	ppbv	96
7) Chloroethane	3.562	64	328511	7.596	ppbv #	87
8) Dichlorotetrafluoroethane	3.189	85	2305714	7.701	ppbv	96
9) Propene	3.012	41	948635	7.660	ppbv	99
10) Heptane	8.127	43	2505201	8.789	ppbv	99
11) Trichlorofluoromethane	3.954	101	2177133	7.998	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	1532767	7.673	ppbv	97
13) Ethanol	3.613	45	118397m	9.825	ppbv	
14) Bromoethene	3.745	108	717574	7.913	ppbv	99
15) Acetone	3.851	43	1219708	6.631	ppbv	97
16) 1,3-Butadiene	3.330	39	1057503	8.962	ppbv	90
17) tert-Butyl alcohol	4.285	59	1253407	7.459	ppbv	98
18) 1,1-Dichloroethene	4.292	96	716007	7.891	ppbv	93
19) Isopropyl Alcohol	3.967	45	792359	7.519	ppbv #	93
20) Methylene Chloride	4.346	84	645885	7.013	ppbv	95
21) Allyl Chloride	4.417	41	1051525	7.038	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	687313	7.592	ppbv	91
23) Vinyl Acetate	5.076	43	2425754	8.947	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1736772	8.832	ppbv	99
25) Ethyl Acetate	5.681	43	3706607	7.937	ppbv	99
26) Hexane	5.690	57	1835632	8.040	ppbv	96
27) Carbon Disulfide	4.552	76	1711835	8.413	ppbv	99
28) Methyl tert-Butyl Ether	5.038	73	1713348	7.813	ppbv	99
29) Chloroform	5.755	83	2636629	8.149	ppbv	98
30) Cyclohexane	7.134	84	1556285	8.181	ppbv	98
31) cis-1,2-Dichloroethene	5.552	61	1690583	8.181	ppbv	98
32) 1,1,1-Trichloroethane	6.513	97	2474570	7.784	ppbv	98
34) 2-Butanone	5.247	43	1683148	7.792	ppbv	98
35) Carbon Tetrachloride	7.021	117	2582119	8.259	ppbv	95
36) Benzene	6.896	78	3784797	8.511	ppbv	99
37) 1,2-Dichloroethane	6.308	62	1825984	8.290	ppbv	99
38) Trichloroethene	7.838	130	1500339	8.223	ppbv	97
39) 1,2-Dichloropropane	7.616	63	1447029	8.468	ppbv	98
40) 1,4-Dioxane	7.838	88	335795	8.021	ppbv #	100
41) Tetrahydrofuran	6.054	42	773320	7.431	ppbv	98
42) Bromodichloromethane	7.793	83	2801702	8.698	ppbv	97
43) Methyl Methacrylate	8.018	69	1413034	9.117	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	6399427	8.551	ppbv	100
45) t-1,3-Dichloropropene	9.279	75	886854	7.601	ppbv	98

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46) cis-1,3-Dichloropropene	8.706	75	1311649	8.059	ppbv	97
47) 1,1,2-Trichloroethane	9.478	97	1564767	8.475	ppbv	96
48) Dibromochloromethane	10.307	129	2454334	9.237	ppbv	99
49) Bromoform	13.044	173	2067755	9.873	ppbv	96
50) 4-Methyl-2-Pentanone	8.745	43	2515742	8.927	ppbv	99
51) 2-Hexanone	10.137	43	1353314	10.440	ppbv #	97
52) Tetrachloroethene	11.224	164	1417137	7.777	ppbv	97
53) Toluene	9.809	91	4478109	8.819	ppbv	99
54) 1,2-Dibromoethane	10.613	107	2204359	8.552	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.124	131	1741328	8.617	ppbv #	52
57) Chlorobenzene	12.150	112	3286379	8.165	ppbv	97
58) Ethyl Benzene	12.713	91	5723505	8.504	ppbv	100
59) m/p-Xylene	12.995	91	9743554m	16.699	ppbv	
60) o-Xylene	13.693	91	4502658	8.268	ppbv	98
61) Styrene	13.529	104	2532148	8.951	ppbv	98
62) Isopropylbenzene	14.667	105	6551463	8.524	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	3475676	8.587	ppbv	100
64) n-propylbenzene	15.565	120	1725505	8.822	ppbv	96
65) tert-Butylbenzene	16.741	119	5878858	8.399	ppbv	100
66) Benzyl Chloride	16.992	91	181832m	5.742	ppbv	
67) sec-Butylbenzene	17.294	105	8231705	8.416	ppbv	99
69) p-Isopropyltoluene	17.654	119	6917776	8.680	ppbv	99
70) n-Butylbenzene	18.548	91	6822921	8.958	ppbv	100
71) 2-Chlorotoluene	15.452	91	4902877	8.699	ppbv	100
72) 4-Ethyltoluene	15.841	105	5727695	8.842	ppbv	100
73) 1,3,5-Trimethylbenzene	15.995	105	5031542	8.345	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	5351916	8.353	ppbv #	91
75) 1,3-Dichlorobenzene	16.995	146	3381792	8.769	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	3270944	8.419	ppbv	98
77) 1,2-Dichlorobenzene	17.815	146	3307451	8.709	ppbv	100
78) Hexachloro-1,3-Butadiene	23.371	225	2667771	8.449	ppbv	99
79) Naphthalene	22.188	128	4559969	10.635	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	1365273	11.429	ppbv	94
81) 1,2,4-Trichlorobenzene	21.921	180	2696761	10.023	ppbv	98

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

