

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037154.D
 Acq On : 15 Jun 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:26 PM

Quant Time: Jun 16 01:52:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1502841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4572160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4260153m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3261358	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2049984	8.565 ppbv	100
3) Chlorodifluoromethane	3.00	51	2811645	9.973 ppbv	100
4) Chloromethane	3.15	50	970298	10.101 ppbv	96
5) Vinyl Chloride	3.27	62	1054386	11.346 ppbv	99
6) Bromomethane	3.48	94	612603	10.363 ppbv	98
7) Chloroethane	3.57	64	387261	10.680 ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2581793	10.096 ppbv	99
9) Propene	3.02	41	886503	9.533 ppbv	97
10) Heptane	8.14	43	2345566	10.581 ppbv	100
11) Trichlorofluoromethane	3.96	101	2752750	10.137 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1951138	10.473 ppbv	99
13) Ethanol	3.63	45	118902m	9.254 ppbv	
14) Bromoethene	3.75	108	857193	10.634 ppbv	99
15) Acetone	3.86	43	1432315	7.965 ppbv	98
16) 1,3-Butadiene	3.34	39	1033108	10.640 ppbv	99
17) tert-Butyl alcohol	4.30	59	1722963	11.071 ppbv	100
18) 1,1-Dichloroethene	4.30	96	848610	10.097 ppbv	98
19) Isopropyl Alcohol	3.98	45	980839	9.939 ppbv	# 98
20) Methylene Chloride	4.35	84	683920	8.726 ppbv	97
21) Allyl Chloride	4.42	41	1263517	10.517 ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	877910	10.721 ppbv	93
23) Vinyl Acetate	5.09	43	2632788	11.149 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1915799	10.109 ppbv	99
25) Ethyl Acetate	5.69	43	3645564	10.346 ppbv	99
26) Hexane	5.70	57	1740590	9.932 ppbv	99
27) Carbon Disulfide	4.56	76	2040855	11.487 ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	2249287	10.248 ppbv	100
29) Chloroform	5.77	83	2906470	10.274 ppbv	100
30) Cyclohexane	7.14	84	1567450	10.259 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1794956	10.628 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	3018604	11.620 ppbv	100
34) 2-Butanone	5.26	43	1782900	10.383 ppbv	99
35) Carbon Tetrachloride	7.03	117	3244107	11.543 ppbv	98
36) Benzene	6.91	78	3692330	10.177 ppbv	98
37) 1,2-Dichloroethane	6.32	62	2179947	10.348 ppbv	99
38) Trichloroethene	7.85	130	1618020	10.320 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1415291	10.218 ppbv	98
40) 1,4-Dioxane	7.85	88	385370	9.936 ppbv	91
41) Tetrahydrofuran	6.07	42	867729	10.384 ppbv	99
42) Bromodichloromethane	7.81	83	3204610	11.041 ppbv	99
43) Methyl Methacrylate	8.03	69	1357535	10.907 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6036173	9.940	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1368350	12.199	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1709576	11.423	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1579108	10.051	ppbv	99
48) Dibromochloromethane	10.32	129	2896847	11.429	ppbv	100
49) Bromoform	13.06	173	2414188	12.193	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2683299	10.623	ppbv	99
51) 2-Hexanone	10.16	43	1433969m	11.373	ppbv	
52) Tetrachloroethene	11.24	164	1571119	10.471	ppbv	95
53) Toluene	9.82	91	4477427	10.382	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2375660	10.327	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1966307	10.583	ppbv	97
57) Chlorobenzene	12.17	112	3422305	10.025	ppbv	99
58) Ethyl Benzene	12.73	91	5992053	10.384	ppbv	99
59) m/p-Xylene	13.01	91	10046953m	20.488	ppbv	
60) o-Xylene	13.71	91	4804592	10.204	ppbv	99
61) Styrene	13.54	104	2837365	11.431	ppbv	99
62) Isopropylbenzene	14.68	105	6723288	10.018	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3268894	10.678	ppbv	100
64) n-propylbenzene	15.58	120	1803061	10.534	ppbv	98
65) tert-Butylbenzene	16.76	119	6128604	10.076	ppbv	100
66) Benzyl Chloride	17.01	91	314436	11.844	ppbv	98
67) sec-Butylbenzene	17.31	105	8129066	10.059	ppbv	100
69) p-Isopropyltoluene	17.67	119	7057447	10.447	ppbv	100
70) n-Butylbenzene	18.57	91	6611801	10.697	ppbv	100
71) 2-Chlorotoluene	15.47	91	4947624	10.335	ppbv	99
72) 4-Ethyltoluene	15.86	105	5929116	10.840	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5355563	10.324	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5521900	10.461	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3352761	10.316	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3341436	10.351	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3287413	10.258	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2091559	9.207	ppbv	99
79) Naphthalene	22.22	128	4005908	12.608	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1179846	15.349	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	2351760m	11.637	ppbv	

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

