

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037452.D
 Acq On : 13 Aug 2021 17:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:10 PM

Quant Time: Aug 16 02:33:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1273950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3915753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3590664m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2604066	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1993478	10.242	ppbv	98
3) Chlorodifluoromethane	2.99	51	2414915	9.653	ppbv	99
4) Chloromethane	3.14	50	866952	9.641	ppbv	99
5) Vinyl Chloride	3.26	62	908239	9.167	ppbv	98
6) Bromomethane	3.48	94	444345	8.648	ppbv	99
7) Chloroethane	3.56	64	323305	9.882	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	2177979	10.026	ppbv	99
9) Propene	3.01	41	803047	9.559	ppbv	100
10) Heptane	8.12	43	2066360	10.115	ppbv	100
11) Trichlorofluoromethane	3.95	101	1996880	9.482	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1494390	10.129	ppbv	96
13) Ethanol	3.61	45	90430m	10.087	ppbv	
14) Bromoethene	3.74	108	670985	10.225	ppbv	98
15) Acetone	3.85	43	1113099m	8.239	ppbv	
16) 1,3-Butadiene	3.33	39	878849	9.692	ppbv	99
17) tert-Butyl alcohol	4.29	59	1229116	9.531	ppbv	100
18) 1,1-Dichloroethene	4.29	96	678913	9.912	ppbv	92
19) Isopropyl Alcohol	3.97	45	680567	8.656	ppbv	99
20) Methylene Chloride	4.34	84	600463	8.405	ppbv	94
21) Allyl Chloride	4.41	41	1008359	9.525	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	703041	10.942	ppbv	96
23) Vinyl Acetate	5.07	43	1647733	7.948	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1449953	9.005	ppbv	99
25) Ethyl Acetate	5.68	43	3225573	10.018	ppbv	99
26) Hexane	5.69	57	1569498	9.445	ppbv	99
27) Carbon Disulfide	4.55	76	1670847	11.927	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1474906	8.294	ppbv	100
29) Chloroform	5.75	83	2345560	10.026	ppbv	100
30) Cyclohexane	7.13	84	1367434	9.993	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1478739	10.296	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2309967	9.784	ppbv	99
34) 2-Butanone	5.24	43	1371126	8.481	ppbv	99
35) Carbon Tetrachloride	7.02	117	2443926	10.121	ppbv	99
36) Benzene	6.89	78	3261906	9.879	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1695811	10.064	ppbv	100
38) Trichloroethene	7.84	130	1327979	9.112	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1224374	9.734	ppbv	96
40) 1,4-Dioxane	7.83	88	292786m	9.565	ppbv	
41) Tetrahydrofuran	6.05	42	731352	9.851	ppbv	97
42) Bromodichloromethane	7.79	83	2486523m	10.539	ppbv	
43) Methyl Methacrylate	8.01	69	1172851	10.481	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5424369	9.826	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	786646	9.460	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1056329	9.099	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1345270	9.894	ppbv	98
48) Dibromochloromethane	10.30	129	2158778	11.004	ppbv	98
49) Bromoform	13.04	173	1639860	11.032	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2120981	10.429	ppbv	100
51) 2-Hexanone	10.14	43	987808	10.323	ppbv #	97
52) Tetrachloroethene	11.22	164	1202649	8.646	ppbv	95
53) Toluene	9.81	91	3803333	10.089	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1889507	10.211	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1449906	10.143	ppbv	96
57) Chlorobenzene	12.15	112	2689145	9.241	ppbv	98
58) Ethyl Benzene	12.71	91	4900622	10.061	ppbv	100
59) m/p-Xylene	13.00	91	8259480m	19.303	ppbv	
60) o-Xylene	13.69	91	3812477	9.591	ppbv	100
61) Styrene	13.52	104	2078753	10.351	ppbv	99
62) Isopropylbenzene	14.67	105	5460608	9.606	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2770809	9.243	ppbv	100
64) n-propylbenzene	15.56	120	1455870	10.178	ppbv	92
65) tert-Butylbenzene	16.74	119	4848913	9.459	ppbv	99
66) Benzyl Chloride	16.98	91	197208	8.408	ppbv #	98
67) sec-Butylbenzene	17.29	105	6726404	9.643	ppbv	100
69) p-Isopropyltoluene	17.65	119	5634790	9.842	ppbv	100
70) n-Butylbenzene	18.55	91	5460261	10.262	ppbv	100
71) 2-Chlorotoluene	15.45	91	3907441	9.718	ppbv	100
72) 4-Ethyltoluene	15.84	105	4621609	10.017	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4209079	9.649	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4409399	9.873	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2612092	9.557	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2533206	9.349	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2472353	9.402	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1946005	9.136	ppbv	99
79) Naphthalene	22.19	128	3161145	13.024	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	769067	15.002	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1911083m	11.588	ppbv	

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

