

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036625.D
 Acq On : 1 Apr 2021 6:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:55 PM

Quant Time: Apr 01 08:55:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1518799	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3753139	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3542739m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2839302	10.06	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2379492	9.606 ppbv	98
3) Chlorodifluoromethane	3.00	51	2667662	9.401 ppbv	99
4) Chloromethane	3.15	50	921395	9.193 ppbv	99
5) Vinyl Chloride	3.27	62	914833	8.877 ppbv	100
6) Bromomethane	3.48	94	483184	8.515 ppbv	99
7) Chloroethane	3.56	64	301895	8.525 ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2151044	9.098 ppbv	98
9) Propene	3.02	41	897060	9.916 ppbv	97
10) Heptane	8.14	43	2285039	9.915 ppbv	99
11) Trichlorofluoromethane	3.96	101	2162802	8.567 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1458619	9.037 ppbv	98
13) Ethanol	3.62	45	76227	7.076 ppbv	98
14) Bromoethene	3.75	108	621698	9.265 ppbv	98
15) Acetone	3.86	43	1232081	8.242 ppbv	100
16) 1,3-Butadiene	3.33	39	923116	8.870 ppbv	95
17) tert-Butyl alcohol	4.31	59	1098840	8.444 ppbv	97
18) 1,1-Dichloroethene	4.30	96	620630	8.644 ppbv	98
19) Isopropyl Alcohol	3.98	45	607228	7.384 ppbv	98
20) Methylene Chloride	4.35	84	547507	7.823 ppbv	97
21) Allyl Chloride	4.42	41	1084168	9.098 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	585917	8.803 ppbv	85
23) Vinyl Acetate	5.09	43	2554765	9.991 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1739181	9.331 ppbv	99
25) Ethyl Acetate	5.69	43	3443559	9.689 ppbv	99
26) Hexane	5.70	57	1624832	9.852 ppbv	99
27) Carbon Disulfide	4.56	76	1561889	9.614 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1904814	9.794 ppbv	99
29) Chloroform	5.76	83	2565989	9.729 ppbv	95
30) Cyclohexane	7.15	84	1315956	9.839 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1608838	10.086 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2566513	9.655 ppbv	99
34) 2-Butanone	5.26	43	1732925	9.459 ppbv	98
35) Carbon Tetrachloride	7.03	117	2698983	9.363 ppbv	99
36) Benzene	6.91	78	3369755	9.735 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1955837	9.600 ppbv	100
38) Trichloroethene	7.85	130	1196042	8.879 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1333663	9.498 ppbv	100
40) 1,4-Dioxane	7.86	88	254213	7.779 ppbv	# 1
41) Tetrahydrofuran	6.07	42	818745	9.693 ppbv	98
42) Bromodichloromethane	7.81	83	2803995	10.119 ppbv	98
43) Methyl Methacrylate	8.03	69	1231415	10.594 ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5645051	9.266	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1360978	10.254	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1696265	9.998	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1332598	9.370	ppbv	97
48) Dibromochloromethane	10.32	129	2168761	10.003	ppbv	99
49) Bromoform	13.06	173	1690588	9.678	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2668526	10.067	ppbv	100
51) 2-Hexanone	10.16	43	1470243	10.991	ppbv #	99
52) Tetrachloroethene	11.24	164	1090266	8.554	ppbv	98
53) Toluene	9.83	91	3677702	9.977	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1889720	9.409	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1447639	9.034	ppbv	99
57) Chlorobenzene	12.17	112	2599993	8.625	ppbv	99
58) Ethyl Benzene	12.73	91	4821579	9.355	ppbv	99
59) m/p-Xylene	13.02	91	8091329m	17.998	ppbv	
60) o-Xylene	13.72	91	3800986	8.744	ppbv	100
61) Styrene	13.55	104	2258787	10.329	ppbv	99
62) Isopropylbenzene	14.69	105	5128418	8.761	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2692419	8.120	ppbv	99
64) n-propylbenzene	15.58	120	1313141	9.175	ppbv	96
65) tert-Butylbenzene	16.77	119	4375840	8.621	ppbv	99
66) Benzyl Chloride	17.01	91	603602	10.758	ppbv	98
67) sec-Butylbenzene	17.31	105	6155774	8.592	ppbv	100
69) p-Isopropyltoluene	17.67	119	5077474	9.075	ppbv	100
70) n-Butylbenzene	18.57	91	5345131	9.214	ppbv	99
71) 2-Chlorotoluene	15.47	91	3911036	8.916	ppbv	99
72) 4-Ethyltoluene	15.86	105	4336057	9.103	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3980499	8.954	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4057796	8.529	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2220162	8.291	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2178468	8.194	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2173690	8.636	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1838218	8.154	ppbv	98
79) Naphthalene	22.22	128	3297729	11.879	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	267965	4.895	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1781773	10.396	ppbv	100

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

