

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL061621\
 Data File : VL037164.D
 Acq On : 16 Jun 2021 9:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/25/2021 10:54:00 PM

Quant Time: Jun 16 14:06:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 16 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	5.67	49	1577258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4661376	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4296553m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3386230	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2362816	9.406 ppbv	99
3) Chlorodifluoromethane	2.99	51	2730249	9.228 ppbv	100
4) Chloromethane	3.14	50	948572	9.409 ppbv	96
5) Vinyl Chloride	3.26	62	1030379	10.564 ppbv	99
6) Bromomethane	3.47	94	629231	10.142 ppbv	98
7) Chloroethane	3.56	64	360750	9.479 ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2525968	9.412 ppbv	100
9) Propene	3.01	41	888620	9.105 ppbv	99
10) Heptane	8.13	43	2244706	9.648 ppbv	100
11) Trichlorofluoromethane	3.96	101	2665425	9.352 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1887878	9.655 ppbv	98
13) Ethanol	3.62	45	125760m	9.326 ppbv	
14) Bromoethene	3.74	108	816128	9.647 ppbv	100
15) Acetone	3.86	43	1307117	6.926 ppbv	99
16) 1,3-Butadiene	3.33	39	999555	9.809 ppbv	99
17) tert-Butyl alcohol	4.29	59	1673897	10.248 ppbv	100
18) 1,1-Dichloroethene	4.29	96	846883	9.601 ppbv	96
19) Isopropyl Alcohol	3.97	45	1003844	9.693 ppbv #	97
20) Methylene Chloride	4.35	84	718099m	8.730 ppbv	
21) Allyl Chloride	4.42	41	1248438	9.901 ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	838939	9.762 ppbv	93
23) Vinyl Acetate	5.08	43	2392296	9.652 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1937149	9.739 ppbv	99
25) Ethyl Acetate	5.68	43	3517297	9.511 ppbv	99
26) Hexane	5.69	57	1688591	9.181 ppbv	99
27) Carbon Disulfide	4.56	76	1990607	10.675 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2229328	9.678 ppbv	99
29) Chloroform	5.76	83	2737611	9.221 ppbv	98
30) Cyclohexane	7.14	84	1481870	9.242 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1677392	9.464 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2871211	10.532 ppbv	100
34) 2-Butanone	5.25	43	1613943	9.219 ppbv	99
35) Carbon Tetrachloride	7.02	117	3078026	10.742 ppbv	99
36) Benzene	6.90	78	3557779	9.619 ppbv	99
37) 1,2-Dichloroethane	6.31	62	2077535	9.673 ppbv	100
38) Trichloroethene	7.84	130	1502390	9.400 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1369891	9.700 ppbv	98
40) 1,4-Dioxane	7.84	88	379523	9.598 ppbv	95
41) Tetrahydrofuran	6.06	42	814098	9.555 ppbv	99
42) Bromodichloromethane	7.80	83	3012682	10.181 ppbv	99
43) Methyl Methacrylate	8.02	69	1310734	10.329 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5826125	9.411	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1355392	11.853	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1707894	11.194	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1502585	9.381	ppbv	98
48) Dibromochloromethane	10.31	129	2680891	10.375	ppbv	99
49) Bromoform	13.05	173	2129835	10.551	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2469242	9.588	ppbv	99
51) 2-Hexanone	10.15	43	1232059	9.585	ppbv #	97
52) Tetrachloroethene	11.23	164	1478694	9.666	ppbv	96
53) Toluene	9.82	91	4249855	9.666	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2234605	9.528	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1814157	9.681	ppbv	98
57) Chlorobenzene	12.16	112	3203813	9.306	ppbv	98
58) Ethyl Benzene	12.72	91	5602483	9.626	ppbv	99
59) m/p-Xylene	13.00	91	9390947m	18.988	ppbv	
60) o-Xylene	13.70	91	4420010	9.308	ppbv	100
61) Styrene	13.54	104	2590496	10.348	ppbv	98
62) Isopropylbenzene	14.68	105	6155073	9.094	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2868744	9.291	ppbv	99
64) n-propylbenzene	15.57	120	1660748	9.621	ppbv	99
65) tert-Butylbenzene	16.75	119	5482923	8.938	ppbv	100
66) Benzyl Chloride	17.00	91	236018	8.815	ppbv	98
67) sec-Butylbenzene	17.30	105	7288806	8.943	ppbv	99
69) p-Isopropyltoluene	17.66	119	6322967	9.280	ppbv	99
70) n-Butylbenzene	18.56	91	5946618	9.539	ppbv	100
71) 2-Chlorotoluene	15.46	91	4438348	9.193	ppbv	99
72) 4-Ethyltoluene	15.85	105	5224456	9.471	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4753633	9.086	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4972523	9.340	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3028936	9.240	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2885468	8.863	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2857393	8.841	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2169101	9.467	ppbv	100
79) Naphthalene	22.21	128	4615484	14.404	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1410446	18.193	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	2503569	12.283	ppbv	99

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

