

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037769.D
 Acq On : 5 Oct 2021 11:28
 Operator : SY/AP
 Sample : VL1005ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:35:58 PM

Quant Time: Oct 06 05:39:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 06 05:39:11 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1364736	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4056193	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3658931m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2699830	10.55	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	2676136	12.277	ppbv	100
3) Chlorodifluoromethane	2.98	51	2429643	9.265	ppbv	98
4) Chloromethane	3.13	50	902031	9.392	ppbv	93
5) Vinyl Chloride	3.25	62	913569	10.376	ppbv	99
6) Bromomethane	3.47	94	446019	9.365	ppbv	98
7) Chloroethane	3.55	64	295897	9.140	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2079483	9.651	ppbv	99
9) Propene	3.00	41	881756	9.139	ppbv	99
10) Heptane	8.11	43	2224836	10.153	ppbv	99
11) Trichlorofluoromethane	3.94	101	1902005	9.780	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1438239	9.760	ppbv	99
13) Ethanol	3.60	45	80485m	10.200	ppbv	
14) Bromoethene	3.73	108	656480	10.132	ppbv	94
15) Acetone	3.84	43	1122324	9.161	ppbv	97
16) 1,3-Butadiene	3.32	39	890512	9.990	ppbv	99
17) tert-Butyl alcohol	4.28	59	1202264	9.528	ppbv	99
18) 1,1-Dichloroethene	4.28	96	646842	9.659	ppbv	98
19) Isopropyl Alcohol	3.95	45	695780	9.129	ppbv	# 95
20) Methylene Chloride	4.33	84	536588	8.668	ppbv	98
21) Allyl Chloride	4.40	41	990700	9.128	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	668321	9.926	ppbv	97
23) Vinyl Acetate	5.06	43	1916809	10.440	ppbv	# 96
24) 1,1-Dichloroethane	5.00	63	1346710	10.077	ppbv	99
25) Ethyl Acetate	5.66	43	3471548	10.098	ppbv	98
26) Hexane	5.67	57	1631003	9.635	ppbv	99
27) Carbon Disulfide	4.54	76	1624082	10.825	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1395773	9.903	ppbv	99
29) Chloroform	5.74	83	2318099	9.580	ppbv	98
30) Cyclohexane	7.11	84	1412141	9.837	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1505551	9.797	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2245619	9.789	ppbv	99
34) 2-Butanone	5.23	43	1529580	9.341	ppbv	100
35) Carbon Tetrachloride	7.01	117	2339057	10.154	ppbv	98
36) Benzene	6.87	78	3421718	9.876	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1589518	9.744	ppbv	100
38) Trichloroethene	7.82	130	1330508	9.721	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1287056	9.876	ppbv	96
40) 1,4-Dioxane	7.82	88	331623m	10.170	ppbv	
41) Tetrahydrofuran	6.03	42	810967	10.114	ppbv	99
42) Bromodichloromethane	7.77	83	2494385	10.410	ppbv	100
43) Methyl Methacrylate	8.00	69	1227690	10.849	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5676389	9.752	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	816214	10.483	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1121064	10.388	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1386338	9.786	ppbv	98
48) Dibromochloromethane	10.28	129	2223121	11.008	ppbv	99
49) Bromoform	13.02	173	1943568	12.578	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2255261	10.580	ppbv	99
51) 2-Hexanone	10.12	43	1013899	10.654	ppbv #	96
52) Tetrachloroethene	11.21	164	1267433	9.403	ppbv	98
53) Toluene	9.79	91	3987076	10.384	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1967955	10.284	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1550928	10.239	ppbv	98
57) Chlorobenzene	12.13	112	2965968	9.881	ppbv	98
58) Ethyl Benzene	12.69	91	5248890	10.683	ppbv	99
59) m/p-Xylene	12.98	91	8690267m	20.605	ppbv	
60) o-Xylene	13.67	91	4139769	10.242	ppbv	98
61) Styrene	13.51	104	2356660	12.054	ppbv	99
62) Isopropylbenzene	14.64	105	5736318	10.175	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2982252	9.562	ppbv	99
64) n-propylbenzene	15.54	120	1549635	11.023	ppbv	92
65) tert-Butylbenzene	16.72	119	5075481	10.231	ppbv	99
66) Benzyl Chloride	16.96	91	246425m	10.065	ppbv	
67) sec-Butylbenzene	17.27	105	7092775	10.454	ppbv	100
69) p-Isopropyltoluene	17.63	119	6010573	10.957	ppbv	100
70) n-Butylbenzene	18.53	91	5957441	11.432	ppbv	100
71) 2-Chlorotoluene	15.43	91	4373432	10.986	ppbv	98
72) 4-Ethyltoluene	15.82	105	5047970	10.999	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4568892	10.960	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4657141	10.639	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2869677	10.581	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2828432	10.932	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2783604	10.684	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2076040	9.759	ppbv	99
79) Naphthalene	22.16	128	3409909	12.719	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	839421	11.661	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2040640	11.901	ppbv	99

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

