

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036921.D
 Acq On : 7 May 2021 16:10
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0507ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:40 PM

Quant Time: May 08 07:01:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1375559	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3497447	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3359412m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2663012	9.87	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2061261	9.515	ppbv	99
3) Chlorodifluoromethane	2.99	51	2617911	10.448	ppbv	100
4) Chloromethane	3.15	50	852073	10.347	ppbv	96
5) Vinyl Chloride	3.26	62	836274	10.067	ppbv	97
6) Bromomethane	3.48	94	445782	9.980	ppbv	98
7) Chloroethane	3.56	64	290565	10.644	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1986415	10.053	ppbv	99
9) Propene	3.02	41	776359	10.168	ppbv	97
10) Heptane	8.13	43	2017149	10.505	ppbv	97
11) Trichlorofluoromethane	3.96	101	1931981	9.991	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1293999	9.998	ppbv	99
13) Ethanol	3.63	45	70559	7.247	ppbv	89
14) Bromoethene	3.75	108	567589	10.734	ppbv	99
15) Acetone	3.86	43	1314875	10.142	ppbv	98
16) 1,3-Butadiene	3.33	39	905551	10.923	ppbv	94
17) tert-Butyl alcohol	4.30	59	1068690	10.155	ppbv	98
18) 1,1-Dichloroethene	4.29	96	557591	9.913	ppbv	98
19) Isopropyl Alcohol	3.98	45	618923	9.635	ppbv	# 97
20) Methylene Chloride	4.35	84	532046	8.581	ppbv	96
21) Allyl Chloride	4.42	41	965454	10.021	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	545841	9.670	ppbv	96
23) Vinyl Acetate	5.09	43	2308336	13.089	ppbv	# 97
24) 1,1-Dichloroethane	5.02	63	1545686	12.346	ppbv	98
25) Ethyl Acetate	5.69	43	3071652	9.699	ppbv	99
26) Hexane	5.70	57	1506399	10.167	ppbv	92
27) Carbon Disulfide	4.56	76	1413936	10.986	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1572833	11.976	ppbv	99
29) Chloroform	5.76	83	2381609	10.310	ppbv	96
30) Cyclohexane	7.14	84	1259845	10.722	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1418257	10.664	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2370753	10.093	ppbv	99
34) 2-Butanone	5.26	43	1463731	9.554	ppbv	98
35) Carbon Tetrachloride	7.03	117	2490106	10.493	ppbv	94
36) Benzene	6.90	78	3120058	10.588	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1765746	10.582	ppbv	99
38) Trichloroethene	7.84	130	1139904	10.865	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1237453m	10.482	ppbv	
40) 1,4-Dioxane	7.85	88	275566	9.666	ppbv	89
41) Tetrahydrofuran	6.06	42	633994	9.460	ppbv	97
42) Bromodichloromethane	7.80	83	2519011	10.865	ppbv	98
43) Methyl Methacrylate	8.02	69	1133235	11.786	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5230668	10.358	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	831887	8.026	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1147333	8.633	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1264721	10.347	ppbv	98
48) Dibromochloromethane	10.32	129	2110982	11.656	ppbv	98
49) Bromoform	13.05	173	1719669	11.894	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2162257	10.325	ppbv	99
51) 2-Hexanone	10.15	43	1119086	10.714	ppbv #	99
52) Tetrachloroethene	11.23	164	1059450	10.558	ppbv	98
53) Toluene	9.82	91	3481770	11.292	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1783175	10.334	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1439494	10.221	ppbv #	63
57) Chlorobenzene	12.16	112	2582585	9.870	ppbv	98
58) Ethyl Benzene	12.72	91	4618834	10.840	ppbv	99
59) m/p-Xylene	13.01	91	7922599m	20.803	ppbv	
60) o-Xylene	13.70	91	3754104	10.195	ppbv	100
61) Styrene	13.54	104	2018005	11.670	ppbv	100
62) Isopropylbenzene	14.68	105	5142398	10.264	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2846273	9.642	ppbv	99
64) n-propylbenzene	15.57	120	1355707	10.858	ppbv	98
65) tert-Butylbenzene	16.76	119	4468918	10.089	ppbv	99
66) Benzyl Chloride	16.99	91	324816	7.500	ppbv	98
67) sec-Butylbenzene	17.30	105	6332707	10.295	ppbv	100
69) p-Isopropyltoluene	17.66	119	5165463	10.475	ppbv	99
70) n-Butylbenzene	18.56	91	5385907	10.836	ppbv	100
71) 2-Chlorotoluene	15.46	91	4004334	10.792	ppbv	99
72) 4-Ethyltoluene	15.85	105	4405853	11.147	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3928413	10.249	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4099007	10.068	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	2441327	10.143	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2336452	9.920	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2388553	10.160	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1860327	9.313	ppbv	100
79) Naphthalene	22.21	128	2746279	12.044	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	258680	10.287	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	1711259m	11.602	ppbv	

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

