

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036728.D
 Acq On : 7 Apr 2021 15:27
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0407ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:28 AM

Quant Time: Apr 10 22:27:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1392431	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3529217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3142824m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2605379	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1969390	8.672	ppbv	96
3) Chlorodifluoromethane	2.99	51	2340497	8.997	ppbv	99
4) Chloromethane	3.14	50	739456	8.047	ppbv	98
5) Vinyl Chloride	3.26	62	750229	7.940	ppbv	100
6) Bromomethane	3.47	94	419096	8.056	ppbv	98
7) Chloroethane	3.56	64	252709	7.784	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1811153	8.356	ppbv	97
9) Propene	3.01	41	701382	8.457	ppbv	97
10) Heptane	8.13	43	1849019	8.751	ppbv	99
11) Trichlorofluoromethane	3.95	101	1818513	7.857	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1204759	8.141	ppbv	99
13) Ethanol	3.61	45	74909m	7.585	ppbv	
14) Bromoethene	3.74	108	482761	7.847	ppbv	94
15) Acetone	3.85	43	986976	7.202	ppbv	99
16) 1,3-Butadiene	3.33	39	812039	8.511	ppbv	95
17) tert-Butyl alcohol	4.29	59	1039911	8.717	ppbv	100
18) 1,1-Dichloroethene	4.29	96	505471	7.679	ppbv	96
19) Isopropyl Alcohol	3.97	45	562986	7.468	ppbv	98
20) Methylene Chloride	4.35	84	463253m	7.220	ppbv	
21) Allyl Chloride	4.41	41	852299	7.801	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	484526	7.940	ppbv	89
23) Vinyl Acetate	5.08	43	1998335	8.524	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1449881	8.485	ppbv	99
25) Ethyl Acetate	5.68	43	2700954	8.290	ppbv	100
26) Hexane	5.69	57	1293631	8.556	ppbv	99
27) Carbon Disulfide	4.56	76	1283968	8.620	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1409013	7.902	ppbv	98
29) Chloroform	5.76	83	2075102	8.581	ppbv	100
30) Cyclohexane	7.14	84	1107156	9.029	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1274129	8.712	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2104938	8.638	ppbv	98
34) 2-Butanone	5.25	43	1323054	7.680	ppbv	100
35) Carbon Tetrachloride	7.02	117	2237941	8.256	ppbv	97
36) Benzene	6.90	78	2711195	8.330	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1581775	8.257	ppbv	99
38) Trichloroethene	7.84	130	1020082	8.053	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1068445	8.092	ppbv	98
40) 1,4-Dioxane	7.84	88	256228m	8.338	ppbv	
41) Tetrahydrofuran	6.06	42	556900	7.011	ppbv	96
42) Bromodichloromethane	7.80	83	2225332	8.540	ppbv	97
43) Methyl Methacrylate	8.02	69	1038932	9.506	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4675141	8.161	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1007662	8.074	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1258539	7.889	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1123417	8.400	ppbv	97
48) Dibromochloromethane	10.31	129	1861608	9.132	ppbv	100
49) Bromoform	13.05	173	1538741	9.368	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1996018	8.007	ppbv	99
51) 2-Hexanone	10.15	43	1057460	8.406	ppbv #	99
52) Tetrachloroethene	11.23	164	943989	7.876	ppbv	98
53) Toluene	9.81	91	3076514	8.876	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1639984	8.683	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1311452	9.226	ppbv	99
57) Chlorobenzene	12.16	112	2338386	8.744	ppbv	98
58) Ethyl Benzene	12.72	91	4227205	9.245	ppbv	99
59) m/p-Xylene	13.01	91	7239592m	18.153	ppbv	
60) o-Xylene	13.70	91	3444556	8.933	ppbv	100
61) Styrene	13.54	104	1857439	9.574	ppbv	99
62) Isopropylbenzene	14.68	105	4742184	9.132	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2539703	8.634	ppbv	99
64) n-propylbenzene	15.57	120	1222733	9.631	ppbv	96
65) tert-Butylbenzene	16.76	119	4154756	9.227	ppbv	99
66) Benzyl Chloride	17.00	91	323666m	6.503	ppbv	
67) sec-Butylbenzene	17.31	105	5832743	9.177	ppbv	99
69) p-Isopropyltoluene	17.66	119	4807536	9.686	ppbv	99
70) n-Butylbenzene	18.56	91	4954248	9.627	ppbv	99
71) 2-Chlorotoluene	15.46	91	3646681	9.372	ppbv	100
72) 4-Ethyltoluene	15.85	105	4077265	9.649	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3659745	9.280	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3762907	8.916	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2246518	9.457	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2198982	9.323	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2198505	9.846	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1711343	8.558	ppbv	99
79) Naphthalene	22.21	128	2650671	10.763	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	346249	7.130	ppbv	95
81) 1,2,4-Trichlorobenzene	21.94	180	1598131	10.511	ppbv	99

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

