

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036628.D
 Acq On : 1 Apr 2021 12:03
 Operator : SY/AP
 Sample : VL0401ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0401ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:55:01 PM

Quant Time: Apr 02 01:29:31 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	5.67	49	1518314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3787071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3471657m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2743445	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2084094	8.416	ppbv 99
3) Chlorodifluoromethane	2.99	51	2655956	9.363	ppbv 99
4) Chloromethane	3.15	50	914061	9.122	ppbv 97
5) Vinyl Chloride	3.26	62	915463	8.886	ppbv 98
6) Bromomethane	3.48	94	507485	8.947	ppbv 96
7) Chloroethane	3.56	64	301042	8.503	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2098902	8.880	ppbv 97
9) Propene	3.02	41	923780	10.215	ppbv 97
10) Heptane	8.13	43	2301657	9.990	ppbv 99
11) Trichlorofluoromethane	3.96	101	2060307	8.164	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1386916	8.595	ppbv 99
13) Ethanol	3.62	45	92282	8.569	ppbv 94
14) Bromoethene	3.75	108	619396	9.234	ppbv 99
15) Acetone	3.86	43	1228177	8.219	ppbv 99
16) 1,3-Butadiene	3.33	39	937848	9.014	ppbv 97
17) tert-Butyl alcohol	4.30	59	1258591	9.675	ppbv 99
18) 1,1-Dichloroethene	4.29	96	620094	8.640	ppbv 98
19) Isopropyl Alcohol	3.98	45	751236	9.139	ppbv # 98
20) Methylene Chloride	4.35	84	549544	7.854	ppbv 94
21) Allyl Chloride	4.42	41	1095344	9.195	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	607603	9.131	ppbv 94
23) Vinyl Acetate	5.08	43	2464960	9.643	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1566832	8.409	ppbv 99
25) Ethyl Acetate	5.69	43	3445249	9.697	ppbv 100
26) Hexane	5.70	57	1656781	10.049	ppbv 98
27) Carbon Disulfide	4.56	76	1623598	9.997	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1863185	9.583	ppbv 99
29) Chloroform	5.76	83	2544857	9.652	ppbv 99
30) Cyclohexane	7.14	84	1389257	10.390	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1651350	10.356	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	2596512	9.771	ppbv 99
34) 2-Butanone	5.25	43	1790904	9.688	ppbv 99
35) Carbon Tetrachloride	7.03	117	2697036	9.272	ppbv 98
36) Benzene	6.90	78	3385517	9.693	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1918311	9.332	ppbv 99
38) Trichloroethene	7.84	130	1217534	8.957	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1356285	9.573	ppbv 97
40) 1,4-Dioxane	7.85	88	311976m	9.461	ppbv
41) Tetrahydrofuran	6.06	42	846541	9.932	ppbv 95
42) Bromodichloromethane	7.81	83	2779886	9.942	ppbv 99
43) Methyl Methacrylate	8.03	69	1241484	10.585	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5647149	9.187	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1532698	11.445	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1891234	11.048	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1356648	9.454	ppbv	97
48) Dibromochloromethane	10.32	129	2257227	10.318	ppbv	100
49) Bromoform	13.05	173	1789999	10.155	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2739940	10.243	ppbv	100
51) 2-Hexanone	10.15	43	1506366	11.160	ppbv #	99
52) Tetrachloroethene	11.24	164	1120866	8.715	ppbv	98
53) Toluene	9.82	91	3782809	10.170	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1970787	9.725	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1486653	9.468	ppbv	97
57) Chlorobenzene	12.16	112	2712100	9.181	ppbv	97
58) Ethyl Benzene	12.73	91	4982230	9.864	ppbv	98
59) m/p-Xylene	13.01	91	8337348m	18.925	ppbv	
60) o-Xylene	13.71	91	3903267	9.164	ppbv	100
61) Styrene	13.54	104	2350828	10.970	ppbv	100
62) Isopropylbenzene	14.68	105	5256591	9.164	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2811421	8.652	ppbv	99
64) n-propylbenzene	15.58	120	1378423	9.829	ppbv	99
65) tert-Butylbenzene	16.76	119	4523081	9.093	ppbv	99
66) Benzyl Chloride	17.00	91	705535	12.833	ppbv	99
67) sec-Butylbenzene	17.31	105	6347672	9.041	ppbv	100
69) p-Isopropyltoluene	17.67	119	5232615	9.544	ppbv	99
70) n-Butylbenzene	18.57	91	5422133	9.538	ppbv	99
71) 2-Chlorotoluene	15.47	91	4082007	9.497	ppbv	100
72) 4-Ethyltoluene	15.86	105	4630003	9.920	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4136122	9.494	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4196557	9.002	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2422536	9.232	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2343481	8.995	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2287450	9.274	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1784378	8.078	ppbv	99
79) Naphthalene	22.22	128	3088316	11.353	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	535214	9.977	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1723714	10.263	ppbv	97

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

