

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036627.D
 Acq On : 1 Apr 2021 8:52
 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 6:54:59 PM

Quant Time: Apr 01 11:23:42 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	5.68	49	1532290	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3664755	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3332182m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2770117	10.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2028681	8.117 ppbv	98
3) Chlorodifluoromethane	2.99	51	2520910	8.806 ppbv	99
4) Chloromethane	3.15	50	820434	8.113 ppbv	99
5) Vinyl Chloride	3.27	62	795921	7.655 ppbv	96
6) Bromomethane	3.48	94	420545	7.346 ppbv	99
7) Chloroethane	3.56	64	273656	7.659 ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	1921575	8.056 ppbv	99
9) Propene	3.01	41	769685	8.433 ppbv	98
10) Heptane	8.14	43	2039796	8.773 ppbv	99
11) Trichlorofluoromethane	3.96	101	1896243	7.445 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1222188	7.505 ppbv	100
13) Ethanol	3.61	45	80374m	7.395 ppbv	
14) Bromoethene	3.74	108	524451	7.747 ppbv	99
15) Acetone	3.86	43	1130393	7.495 ppbv	97
16) 1,3-Butadiene	3.33	39	835086	7.953 ppbv	98
17) tert-Butyl alcohol	4.30	59	942343m	7.178 ppbv	
18) 1,1-Dichloroethene	4.30	96	534700	7.382 ppbv	99
19) Isopropyl Alcohol	3.98	45	544995m	6.569 ppbv	
20) Methylene Chloride	4.36	84	500543m	7.089 ppbv	
21) Allyl Chloride	4.42	41	893490	7.432 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	512806	7.636 ppbv	93
23) Vinyl Acetate	5.08	43	2069170	8.021 ppbv	100
24) 1,1-Dichloroethane	5.02	63	1508660	8.023 ppbv	98
25) Ethyl Acetate	5.69	43	2947540	8.221 ppbv	100
26) Hexane	5.70	57	1418518	8.525 ppbv	97
27) Carbon Disulfide	4.56	76	1325753	8.088 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1454155	7.411 ppbv	98
29) Chloroform	5.76	83	2291783	8.613 ppbv	98
30) Cyclohexane	7.14	84	1188265	8.806 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1376568	8.554 ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	2255398	8.410 ppbv	99
34) 2-Butanone	5.26	43	1387772	7.758 ppbv	99
35) Carbon Tetrachloride	7.03	117	2391509	8.496 ppbv	99
36) Benzene	6.91	78	2900722	8.582 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1711504	8.604 ppbv	100
38) Trichloroethene	7.85	130	1030277	7.833 ppbv	96
39) 1,2-Dichloropropane	7.63	63	1162242	8.477 ppbv	97
40) 1,4-Dioxane	7.85	88	232257m	7.279 ppbv	
41) Tetrahydrofuran	6.07	42	600772m	7.284 ppbv	
42) Bromodichloromethane	7.81	83	2429228	8.978 ppbv	99
43) Methyl Methacrylate	8.03	69	1118975	9.859 ppbv	97

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44) 2,2,4-Trimethylpentane	7.88	57	5020645	8.440	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	983722	7.591	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1292297	7.801	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1191084	8.577	ppbv	98
48) Dibromochloromethane	10.32	129	1958950	9.254	ppbv	99
49) Bromoform	13.06	173	1580485	9.266	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2127352	8.219	ppbv	100
51) 2-Hexanone	10.16	43	1173726	8.986	ppbv #	100
52) Tetrachloroethene	11.24	164	970522	7.798	ppbv	97
53) Toluene	9.82	91	3255096	9.044	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1660891	8.469	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	1386781	9.201	ppbv	98
57) Chlorobenzene	12.17	112	2408105	8.493	ppbv	100
58) Ethyl Benzene	12.73	91	4438894	9.156	ppbv	97
59) m/p-Xylene	13.01	91	7549157m	17.853	ppbv	
60) o-Xylene	13.71	91	3572554	8.738	ppbv	100
61) Styrene	13.55	104	1926569	9.366	ppbv	99
62) Isopropylbenzene	14.69	105	4857866	8.823	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2590180	8.305	ppbv	100
64) n-propylbenzene	15.58	120	1284854	9.545	ppbv	96
65) tert-Butylbenzene	16.76	119	4222362	8.844	ppbv	98
66) Benzyl Chloride	17.01	91	501882	9.511	ppbv	99
67) sec-Butylbenzene	17.31	105	5988297	8.886	ppbv	100
69) p-Isopropyltoluene	17.67	119	4926775	9.362	ppbv	100
70) n-Butylbenzene	18.57	91	5160785	9.458	ppbv	99
71) 2-Chlorotoluene	15.47	91	3833028	9.291	ppbv	99
72) 4-Ethyltoluene	15.86	105	4137244	9.235	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	3746183	8.959	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3849764	8.603	ppbv #	89
75) 1,3-Dichlorobenzene	17.01	146	2240684	8.896	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2154797	8.617	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2143662	9.055	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1680284	7.925	ppbv	99
79) Naphthalene	22.22	128	2407328	9.220	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	217804m	4.230	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	1513572	9.389	ppbv	98

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

