

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035643.D
 Acq On : 17 Sep 2020 00:24
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0916ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:56 PM

Quant Time: Sep 17 08:08:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1094171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4362914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4220480	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3158456	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	68700	0.362	ppbv	99
3) Chlorodifluoromethane	2.98	51	31419	0.260	ppbv	98
4) Chloromethane	3.13	50	17443	0.269	ppbv	97
5) Vinyl Chloride	3.25	62	18308	0.229	ppbv #	83
6) Bromomethane	3.47	94	16118	0.240	ppbv	98
7) Chloroethane	3.56	64	6750	0.239	ppbv #	87
8) Dichlorotetrafluoroethane	3.18	85	60618	0.264	ppbv	89
9) Propene	3.00	41	12387	0.266	ppbv	93
10) Heptane	8.13	43	19150	0.153	ppbv	98
11) Trichlorofluoromethane	3.94	101	70729	0.256	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	52741	0.253	ppbv	96
13) Ethanol	3.62	45	5533m	0.478	ppbv	
14) Bromoethene	3.74	108	18378	0.205	ppbv	96
15) Acetone	3.86	43	36166	0.300	ppbv	97
16) 1,3-Butadiene	3.32	39	9263	0.206	ppbv	100
17) tert-Butyl alcohol	4.32	59	27731	0.189	ppbv	99
18) 1,1-Dichloroethene	4.29	96	21445	0.233	ppbv	93
19) Isopropyl Alcohol	3.99	45	15278	0.212	ppbv #	83
20) Methylene Chloride	4.34	84	55342	0.616	ppbv	96
21) Allyl Chloride	4.40	41	12903	0.228	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	23590	0.241	ppbv	91
23) Vinyl Acetate	5.07	43	26348	0.170	ppbv #	89
24) 1,1-Dichloroethane	5.01	63	38149	0.239	ppbv	97
25) Ethyl Acetate	5.68	43	47338	0.222	ppbv	97
26) Hexane	5.68	57	31939	0.264	ppbv	85
27) Carbon Disulfide	4.55	76	32848	0.189	ppbv #	91
28) Methyl tert-Butyl Ether	5.05	73	36597	0.174	ppbv	99
29) Chloroform	5.75	83	56999	0.232	ppbv	99
30) Cyclohexane	7.13	84	25612m	0.198	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	19460	0.157	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	46856	0.196	ppbv	94
34) 2-Butanone	5.26	43	22029	0.170	ppbv	98
35) Carbon Tetrachloride	7.01	117	47127	0.215	ppbv	88
36) Benzene	6.89	78	48224	0.171	ppbv #	93
37) 1,2-Dichloroethane	6.30	62	32423	0.241	ppbv	97
38) Trichloroethene	7.83	130	28057	0.171	ppbv	92
39) 1,2-Dichloropropane	7.61	63	22026m	0.231	ppbv	
40) 1,4-Dioxane	7.91	88	6756m	0.142	ppbv	
41) Tetrahydrofuran	6.08	42	9186	0.134	ppbv	91
42) Bromodichloromethane	7.79	83	48101	0.221	ppbv #	97
43) Methyl Methacrylate	8.02	69	15064	0.138	ppbv	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	60866	0.164	ppbv	# 86
45) t-1,3-Dichloropropene	9.28	75	14411m	0.130	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	19388	0.141	ppbv	# 92
47) 1,1,2-Trichloroethane	9.47	97	31899	0.227	ppbv	95
48) Dibromochloromethane	10.31	129	36148	0.163	ppbv	100
49) Bromoform	13.04	173	30302m	0.151	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	25192m	0.134	ppbv	
51) 2-Hexanone	10.17	43	14376m	0.093	ppbv	
52) Tetrachloroethene	11.23	164	29845m	0.181	ppbv	
53) Toluene	9.81	91	48758	0.137	ppbv	96
54) 1,2-Dibromoethane	10.61	107	43968m	0.198	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	39307m	0.229	ppbv	
57) Chlorobenzene	12.15	112	81363	0.262	ppbv	# 96
58) Ethyl Benzene	12.72	91	68104m	0.156	ppbv	
59) m/p-Xylene	13.01	91	123186m	0.339	ppbv	
60) o-Xylene	13.70	91	60392m	0.165	ppbv	
61) Styrene	13.54	104	32065	0.114	ppbv	99
62) Isopropylbenzene	14.68	105	113216	0.192	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.69	83	75021	0.264	ppbv	98
64) n-propylbenzene	15.57	120	26799m	0.149	ppbv	
65) tert-Butylbenzene	16.77	119	78062	0.143	ppbv	90
66) Benzyl Chloride	17.00	91	21801m	0.160	ppbv	
67) sec-Butylbenzene	17.31	105	127346	0.175	ppbv	91
69) p-Isopropyltoluene	17.67	119	90456	0.142	ppbv	96
70) n-Butylbenzene	18.58	91	100873	0.164	ppbv	# 86
71) 2-Chlorotoluene	15.46	91	72970	0.170	ppbv	92
72) 4-Ethyltoluene	15.85	105	63461	0.136	ppbv	# 94
73) 1,3,5-Trimethylbenzene	16.01	105	62602	0.145	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	79126	0.167	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	84154m	0.240	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	70374	0.204	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	74802	0.220	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	51294m	0.237	ppbv	
79) Naphthalene	22.23	128	92561	0.176	ppbv	# 95
80) Naphthalene, 2-methyl-	25.00	142	11420	0.064	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	60611m	0.193	ppbv	

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

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