

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
 Data File : VL037731.D
 Acq On : 29 Sep 2021 14:39
 Operator : SY/AP
 Sample : VL0929SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:06:34 AM

Quant Time: Sep 29 22:46:42 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

QLast Update : Thu Sep 16 13:42:46 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.668	49	1271296	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	3817196	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.086	117	3277633m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2547367 10.75 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1651806	7.18	ppbv	98
3) Chlorodifluoromethane	2.993	51	2476812	10.33	ppbv	99
4) Chloromethane	3.144	50	938913	10.60	ppbv	99
5) Vinyl Chloride	3.259	62	947455	11.39	ppbv	100
6) Bromomethane	3.478	94	471729	9.75	ppbv	98
7) Chloroethane	3.559	64	330597	10.63	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	2058208	10.37	ppbv	99
9) Propene	3.012	41	936442	11.07	ppbv	94
10) Heptane	8.124	43	2286883	11.59	ppbv	100
11) Trichlorofluoromethane	3.954	101	1943619	10.52	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	1426418	10.46	ppbv	100
13) Ethanol	3.620	45	98576m	11.91	ppbv	
14) Bromoethene	3.742	108	675704	10.89	ppbv	97
15) Acetone	3.851	43	1112379	8.42	ppbv	96
16) 1,3-Butadiene	3.330	39	901001	10.92	ppbv	100
17) tert-Butyl alcohol	4.288	59	1329026	11.87	ppbv	99
18) 1,1-Dichloroethene	4.292	96	674261	10.62	ppbv	95
19) Isopropyl Alcohol	3.967	45	764656	10.64	ppbv #	98
20) Methylene Chloride	4.346	84	565673	8.97	ppbv	96
21) Allyl Chloride	4.414	41	1070556	10.85	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	670438	10.49	ppbv	97
23) Vinyl Acetate	5.073	43	1991313	10.89	ppbv	99
24) 1,1-Dichloroethane	5.012	63	1337642	10.22	ppbv	100
25) Ethyl Acetate	5.677	43	3494982	10.92	ppbv	99
26) Hexane	5.690	57	1701266	11.20	ppbv	99
27) Carbon Disulfide	4.555	76	1635331	11.76	ppbv	99
28) Methyl tert-Butyl Ether	5.034	73	1485302	11.10	ppbv	99
29) Chloroform	5.755	83	2340873	10.55	ppbv	100
30) Cyclohexane	7.131	84	1415007	10.89	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1590499	11.53	ppbv	95
32) 1,1,1-Trichloroethane	6.510	97	2248149	10.88	ppbv	100
34) 2-Butanone	5.247	43	1588723	10.24	ppbv	100
35) Carbon Tetrachloride	7.021	117	2310860	10.70	ppbv	99
36) Benzene	6.893	78	3517852	11.05	ppbv	98
37) 1,2-Dichloroethane	6.308	62	1677581	10.72	ppbv	99
38) Trichloroethene	7.838	130	1369383	10.30	ppbv	96
39) 1,2-Dichloropropane	7.616	63	1334592	10.95	ppbv	100
40) 1,4-Dioxane	7.838	88	317720	10.71	ppbv	77
41) Tetrahydrofuran	6.054	42	850876	11.67	ppbv	98
42) Bromodichloromethane	7.793	83	2472366	11.02	ppbv	97
43) Methyl Methacrylate	8.015	69	1258848	11.89	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	5769086	10.78	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	978587	11.77	ppbv	97

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 QLast Update : Thu Sep 16 13:42:46 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	1277570	11.37	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	1382961	10.25	ppbv	98
48) Dibromochloromethane	10.304	129	2174630	11.56	ppbv	98
49) Bromoform	13.040	173	1740958	11.56	ppbv	96
50) 4-Methyl-2-Pentanone	8.745	43	2299171	11.68	ppbv	100
51) 2-Hexanone	10.137	43	1098854	12.65	ppbv #	98
52) Tetrachloroethene	11.224	164	1273591	10.42	ppbv	97
53) Toluene	9.806	91	4022836	11.37	ppbv	99
54) 1,2-Dibromoethane	10.610	107	1922069	10.41	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.127	131	1492618	10.98	ppbv	95
57) Chlorobenzene	12.147	112	2884123	10.58	ppbv	99
58) Ethyl Benzene	12.709	91	5006034	11.51	ppbv	99
59) m/p-Xylene	12.989	91	8432608m	22.24	ppbv	
60) o-Xylene	13.690	91	4007902	11.11	ppbv	99
61) Styrene	13.526	104	2232009	12.54	ppbv	99
62) Isopropylbenzene	14.664	105	5485898	10.88	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.674	83	2815794	9.97	ppbv	99
64) n-propylbenzene	15.561	120	1425067	10.95	ppbv	80
65) tert-Butylbenzene	16.741	119	4872430	10.72	ppbv	100
66) Benzyl Chloride	16.986	91	265935	10.71	ppbv	98
67) sec-Butylbenzene	17.291	105	6776229	10.99	ppbv	99
69) p-Isopropyltoluene	17.651	119	5687572	11.29	ppbv	99
70) n-Butylbenzene	18.545	91	5505452	11.55	ppbv	100
71) 2-Chlorotoluene	15.452	91	3966476	10.98	ppbv	97
72) 4-Ethyltoluene	15.835	105	4573924	11.04	ppbv	98
73) 1,3,5-Trimethylbenzene	15.995	105	4272725	11.07	ppbv	100
74) 1,2,4-Trimethylbenzene	16.761	105	4427022	10.88	ppbv	98
75) 1,3-Dichlorobenzene	16.992	146	2730788	10.81	ppbv	100
76) 1,4-Dichlorobenzene	17.134	146	2612989	10.48	ppbv	98
77) 1,2-Dichlorobenzene	17.809	146	2637830	11.01	ppbv	97
78) Hexachloro-1,3-Butadiene	23.368	225	1946963	9.65	ppbv	99
79) Naphthalene	22.191	128	3278840	13.13	ppbv	98
80) Naphthalene,2-methyl-	24.966	142	858296	15.04	ppbv	97
81) 1,2,4-Trichlorobenzene	21.918	180	1953580	12.18	ppbv	100

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

