

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037156.D
 Acq On : 15 Jun 2021 11:37
 Operator : SY/AP
 Sample : VL0615ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:28 PM

Quant Time: Jun 16 02:01:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 1
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1610236	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4794680	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4614955m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3519078	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2653435	10.347 ppbv	98
3) Chlorodifluoromethane	3.00	51	2774785	9.186 ppbv	100
4) Chloromethane	3.15	50	928743	9.024 ppbv	94
5) Vinyl Chloride	3.27	62	1032482	10.369 ppbv	98
6) Bromomethane	3.48	94	626589	9.892 ppbv	97
7) Chloroethane	3.56	64	368676	9.489 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2617472	9.553 ppbv	100
9) Propene	3.02	41	889147	8.924 ppbv	100
10) Heptane	8.14	43	2259210	9.511 ppbv	99
11) Trichlorofluoromethane	3.96	101	2765011	9.503 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1936714	9.702 ppbv	99
13) Ethanol	3.62	45	110983	8.062 ppbv	88
14) Bromoethene	3.75	108	838083	9.703 ppbv	98
15) Acetone	3.86	43	1340854	6.959 ppbv	98
16) 1,3-Butadiene	3.33	39	967725	9.302 ppbv	97
17) tert-Butyl alcohol	4.30	59	1659050	9.949 ppbv	100
18) 1,1-Dichloroethene	4.30	96	855968	9.505 ppbv	95
19) Isopropyl Alcohol	3.98	45	997589	9.435 ppbv	# 96
20) Methylene Chloride	4.36	84	695151	8.278 ppbv	97
21) Allyl Chloride	4.42	41	1232364	9.574 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	862530	9.831 ppbv	96
23) Vinyl Acetate	5.09	43	2352442	9.297 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1992324	9.811 ppbv	99
25) Ethyl Acetate	5.69	43	3552505	9.410 ppbv	99
26) Hexane	5.70	57	1718604	9.153 ppbv	99
27) Carbon Disulfide	4.56	76	2004654	10.530 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2255309	9.590 ppbv	98
29) Chloroform	5.77	83	2832637	9.345 ppbv	99
30) Cyclohexane	7.15	84	1517409	9.270 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1732122	9.572 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2931497	10.532 ppbv	100
34) 2-Butanone	5.26	43	1631780	9.062 ppbv	100
35) Carbon Tetrachloride	7.03	117	3182353	10.797 ppbv	99
36) Benzene	6.91	78	3563728	9.367 ppbv	99
37) 1,2-Dichloroethane	6.32	62	2123669	9.613 ppbv	99
38) Trichloroethene	7.85	130	1572115	9.562 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1356417	9.338 ppbv	97
40) 1,4-Dioxane	7.85	88	338099	8.312 ppbv	# 1
41) Tetrahydrofuran	6.07	42	799545	9.124 ppbv	98
42) Bromodichloromethane	7.81	83	3019501	9.920 ppbv	100
43) Methyl Methacrylate	8.03	69	1316559	10.087 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5861159	9.204	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1339711	11.390	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1704412	10.860	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1511623	9.175	ppbv	99
48) Dibromochloromethane	10.32	129	2735021	10.290	ppbv	100
49) Bromoform	13.06	173	2147588	10.343	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2434663	9.191	ppbv	99
51) 2-Hexanone	10.16	43	1234373	9.336	ppbv	97
52) Tetrachloroethene	11.24	164	1488154	9.458	ppbv	99
53) Toluene	9.82	91	4283887	9.473	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2293767	9.508	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1848023	9.182	ppbv	98
57) Chlorobenzene	12.17	112	3285445	8.884	ppbv	98
58) Ethyl Benzene	12.73	91	5631954	9.009	ppbv	99
59) m/p-Xylene	13.01	91	9519957m	17.921	ppbv	
60) o-Xylene	13.71	91	4516596	8.855	ppbv	99
61) Styrene	13.55	104	2603937	9.684	ppbv	100
62) Isopropylbenzene	14.69	105	6265433	8.618	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2935283	8.851	ppbv	100
64) n-propylbenzene	15.58	120	1668374	8.998	ppbv	98
65) tert-Butylbenzene	16.76	119	5626438	8.539	ppbv	100
66) Benzyl Chloride	17.00	91	215199	7.483	ppbv	99
67) sec-Butylbenzene	17.31	105	7396767	8.449	ppbv	99
69) p-Isopropyltoluene	17.67	119	6456910	8.823	ppbv	99
70) n-Butylbenzene	18.57	91	6067564	9.062	ppbv	100
71) 2-Chlorotoluene	15.47	91	4488980	8.656	ppbv	99
72) 4-Ethyltoluene	15.86	105	5417905	9.144	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4840067	8.613	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5077239	8.879	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3043116	8.643	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3051435	8.726	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2934554	8.453	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2238179	9.095	ppbv	99
79) Naphthalene	22.22	128	4764209	13.842	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1396976	16.776	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2519831	11.510	ppbv	99

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

