

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037057.D
 Acq On : 25 May 2021 11:29
 Operator : SY/AP
 Sample : VL0525ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0525ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:27 AM

Quant Time: May 26 01:21:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1170576	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3538125	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3413948m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2536031	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1926610	9.702	ppbv	99
3) Chlorodifluoromethane	2.97	51	2512839	11.717	ppbv	96
4) Chloromethane	3.12	50	821938	11.263	ppbv	97
5) Vinyl Chloride	3.24	62	900618	11.291	ppbv	98
6) Bromomethane	3.46	94	515196	12.257	ppbv	100
7) Chloroethane	3.54	64	338068	13.053	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2282655	12.243	ppbv	97
9) Propene	2.99	41	786639	10.244	ppbv	96
10) Heptane	8.10	43	2073936	10.837	ppbv	100
11) Trichlorofluoromethane	3.93	101	2380727	12.952	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1658546	12.668	ppbv	97
13) Ethanol	3.59	45	111823m	10.914	ppbv	
14) Bromoethene	3.72	108	689657	11.959	ppbv	95
15) Acetone	3.83	43	1200607	10.014	ppbv	96
16) 1,3-Butadiene	3.31	39	905269	12.153	ppbv	97
17) tert-Butyl alcohol	4.27	59	1354243	12.331	ppbv	99
18) 1,1-Dichloroethene	4.27	96	744965	12.305	ppbv	96
19) Isopropyl Alcohol	3.95	45	799223	12.400	ppbv	# 35
20) Methylene Chloride	4.32	84	620528	9.655	ppbv	98
21) Allyl Chloride	4.39	41	1035165	11.445	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	743677	12.817	ppbv	96
23) Vinyl Acetate	5.05	43	1969224	10.348	ppbv	# 97
24) 1,1-Dichloroethane	4.99	63	1495536	10.918	ppbv	98
25) Ethyl Acetate	5.66	43	3234937	11.228	ppbv	99
26) Hexane	5.66	57	1575813	10.706	ppbv	99
27) Carbon Disulfide	4.53	76	1728784	11.654	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1683840	9.544	ppbv	100
29) Chloroform	5.73	83	2522585	12.131	ppbv	98
30) Cyclohexane	7.11	84	1376229	11.003	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1557250	11.801	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2630207	11.779	ppbv	98
34) 2-Butanone	5.23	43	1501504	11.655	ppbv	98
35) Carbon Tetrachloride	7.00	117	2825416	12.019	ppbv	99
36) Benzene	6.87	78	3273253	10.740	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1927343	12.756	ppbv	99
38) Trichloroethene	7.81	130	1389872	10.661	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1254068	10.682	ppbv	99
40) 1,4-Dioxane	7.82	88	275816	9.950	ppbv	# 100
41) Tetrahydrofuran	6.03	42	740198	10.088	ppbv	98
42) Bromodichloromethane	7.77	83	2723887	11.916	ppbv	97
43) Methyl Methacrylate	7.99	69	1183812	11.270	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5394343	10.317	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	918873	11.450	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1213848	11.246	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1405750	11.441	ppbv	98
48) Dibromochloromethane	10.28	129	2509204	12.612	ppbv	99
49) Bromoform	13.02	173	2065451	12.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2361273	11.107	ppbv	98
51) 2-Hexanone	10.12	43	1237893	11.014	ppbv #	96
52) Tetrachloroethene	11.20	164	1345146	11.100	ppbv	97
53) Toluene	9.78	91	3920935	10.813	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2063327	11.811	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1718360	11.962	ppbv #	56
57) Chlorobenzene	12.13	112	2987693	11.287	ppbv	97
58) Ethyl Benzene	12.69	91	5258944	10.914	ppbv	99
59) m/p-Xylene	12.98	91	8855328m	22.233	ppbv	
60) o-Xylene	13.67	91	4225910	11.125	ppbv	99
61) Styrene	13.51	104	2467851	11.532	ppbv	99
62) Isopropylbenzene	14.64	105	5973984	10.943	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2849309	10.043	ppbv	98
64) n-propylbenzene	15.54	120	1610219	11.432	ppbv	97
65) tert-Butylbenzene	16.72	119	5502017	11.169	ppbv	99
66) Benzyl Chloride	16.97	91	240117	8.785	ppbv	99
67) sec-Butylbenzene	17.27	105	7404068	11.018	ppbv	100
69) p-Isopropyltoluene	17.63	119	6553898	11.343	ppbv	99
70) n-Butylbenzene	18.53	91	6324624	11.523	ppbv	99
71) 2-Chlorotoluene	15.43	91	4389845	11.133	ppbv	98
72) 4-Ethyltoluene	15.82	105	5215148	11.567	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4779787	11.290	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5026753	11.483	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	3108166	11.627	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3084503	11.413	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3057936	11.417	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2222604	10.320	ppbv	99
79) Naphthalene	22.17	128	4452895	12.964	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1261027	16.884	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2543460	12.147	ppbv	97

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

