

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037173.D
 Acq On : 16 Jun 2021 16:40
 Operator : SY/AP
 Sample : VL0616ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:34 PM

Quant Time: Jun 17 02:08:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 02:08:20 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1475134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4389856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4267236m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3189707	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2405180	9.375	ppbv 98
3) Chlorodifluoromethane	2.99	51	2602531	9.073	ppbv 100
4) Chloromethane	3.14	50	869036	9.091	ppbv 98
5) Vinyl Chloride	3.26	62	957782	9.116	ppbv 99
6) Bromomethane	3.47	94	584042	9.318	ppbv 99
7) Chloroethane	3.56	64	348540	9.281	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2464351	9.364	ppbv 99
9) Propene	3.01	41	819313	8.933	ppbv 100
10) Heptane	8.13	43	2127345	9.577	ppbv 100
11) Trichlorofluoromethane	3.95	101	2549765	9.314	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1786480	9.258	ppbv 98
13) Ethanol	3.62	45	122985m	8.669	ppbv
14) Bromoethene	3.74	108	761628	9.457	ppbv 99
15) Acetone	3.85	43	1289874	7.754	ppbv 96
16) 1,3-Butadiene	3.33	39	948716	9.647	ppbv 99
17) tert-Butyl alcohol	4.29	59	1535529	9.988	ppbv 100
18) 1,1-Dichloroethene	4.29	96	818051	9.567	ppbv 99
19) Isopropyl Alcohol	3.97	45	923262	9.164	ppbv # 98
20) Methylene Chloride	4.35	84	703354	7.063	ppbv 96
21) Allyl Chloride	4.41	41	1179536	9.407	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	798001	9.431	ppbv 97
23) Vinyl Acetate	5.08	43	2337440	9.800	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1775163	9.244	ppbv 99
25) Ethyl Acetate	5.68	43	3398475	9.437	ppbv 99
26) Hexane	5.69	57	1627085	8.939	ppbv 98
27) Carbon Disulfide	4.56	76	1856760	10.412	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	2025769	9.258	ppbv 100
29) Chloroform	5.76	83	2675818	9.517	ppbv 95
30) Cyclohexane	7.14	84	1420038	9.364	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1620787	9.691	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2770052	9.207	ppbv 100
34) 2-Butanone	5.25	43	1582435	9.269	ppbv 99
35) Carbon Tetrachloride	7.02	117	2976833	10.110	ppbv 99
36) Benzene	6.90	78	3340919	9.412	ppbv 98
37) 1,2-Dichloroethane	6.31	62	2015232	9.773	ppbv 99
38) Trichloroethene	7.84	130	1440953	8.540	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1282124	9.720	ppbv 99
40) 1,4-Dioxane	7.84	88	308087	8.517	ppbv 62
41) Tetrahydrofuran	6.06	42	779909	9.835	ppbv 98
42) Bromodichloromethane	7.80	83	2860934	10.057	ppbv 98
43) Methyl Methacrylate	8.02	69	1236934	10.090	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5532555	9.256	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1241277	11.476	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1589048	10.740	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1431980	9.516	ppbv	98
48) Dibromochloromethane	10.31	129	2599730	10.944	ppbv	100
49) Bromoform	13.05	173	2119843	11.978	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2343809	9.995	ppbv	99
51) 2-Hexanone	10.15	43	1148379	10.065	ppbv #	97
52) Tetrachloroethene	11.23	164	1395947	8.463	ppbv	98
53) Toluene	9.82	91	4040236	9.528	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2137764	9.885	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1752230	9.392	ppbv	99
57) Chlorobenzene	12.16	112	3104837	8.972	ppbv	98
58) Ethyl Benzene	12.72	91	5390384	9.176	ppbv	100
59) m/p-Xylene	13.01	91	9113391m	18.307	ppbv	
60) o-Xylene	13.70	91	4326090	9.126	ppbv	100
61) Styrene	13.54	104	2480189	10.138	ppbv	98
62) Isopropylbenzene	14.68	105	6080208	9.020	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2891614	9.162	ppbv	99
64) n-propylbenzene	15.57	120	1623447	9.617	ppbv	97
65) tert-Butylbenzene	16.76	119	5552131	9.287	ppbv	100
66) Benzyl Chloride	17.00	91	253845	10.020	ppbv	99
67) sec-Butylbenzene	17.30	105	7400893	9.284	ppbv	100
69) p-Isopropyltoluene	17.66	119	6457994	9.591	ppbv	100
70) n-Butylbenzene	18.56	91	6084318	9.763	ppbv	100
71) 2-Chlorotoluene	15.46	91	4436126	9.413	ppbv	100
72) 4-Ethyltoluene	15.85	105	5179868	9.619	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4771806	9.167	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	5069130	9.451	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3116358	9.556	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3023944	9.284	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2997537	9.502	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2021039	7.451	ppbv	99
79) Naphthalene	22.21	128	3962689	8.861	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	960287	8.188	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	2197587	8.516	ppbv	99

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

