

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036798.D
 Acq On : 13 Apr 2021 11:33
 Operator : SY/AP
 Sample : VL0413ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0413ABS01

Manual Integrations
 APPROVED

Quant Time: Apr 14 09:10:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1405228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3623311	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3033027m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2007737	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2024652	8.834	ppbv	98
3) Chlorodifluoromethane	2.99	51	2376313	9.051	ppbv	100
4) Chloromethane	3.14	50	778865	8.399	ppbv	99
5) Vinyl Chloride	3.25	62	791295	8.298	ppbv	99
6) Bromomethane	3.47	94	425586	8.107	ppbv	98
7) Chloroethane	3.55	64	272466	8.316	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1876045	8.576	ppbv	98
9) Propene	3.01	41	725280	8.665	ppbv	97
10) Heptane	8.12	43	1887363	8.851	ppbv	99
11) Trichlorofluoromethane	3.95	101	1999700	8.561	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1312329	8.788	ppbv	99
13) Ethanol	3.60	45	78291m	7.855	ppbv	
14) Bromoethene	3.74	108	540278	8.702	ppbv	99
15) Acetone	3.85	43	1010967	7.310	ppbv	100
16) 1,3-Butadiene	3.32	39	848140	8.808	ppbv	98
17) tert-Butyl alcohol	4.29	59	1243385	10.327	ppbv	100
18) 1,1-Dichloroethene	4.29	96	576268	8.675	ppbv	94
19) Isopropyl Alcohol	3.97	45	692641	9.104	ppbv #	97
20) Methylene Chloride	4.34	84	488214	7.539	ppbv	95
21) Allyl Chloride	4.41	41	907108	8.228	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	546448	8.873	ppbv	95
23) Vinyl Acetate	5.07	43	2037916	8.614	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1503111	8.717	ppbv	99
25) Ethyl Acetate	5.68	43	2741264	8.337	ppbv	100
26) Hexane	5.68	57	1325492	8.687	ppbv	99
27) Carbon Disulfide	4.55	76	1418011	9.433	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1558334	8.660	ppbv	98
29) Chloroform	5.75	83	2137344	8.758	ppbv	96
30) Cyclohexane	7.13	84	1139427	9.207	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1315036	8.910	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	2152525	8.752	ppbv	99
34) 2-Butanone	5.24	43	1325557	7.495	ppbv	98
35) Carbon Tetrachloride	7.02	117	2275824	8.178	ppbv	96
36) Benzene	6.89	78	2825665	8.456	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1608998	8.181	ppbv	100
38) Trichloroethene	7.83	130	1008113	7.752	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1107285	8.169	ppbv	96
40) 1,4-Dioxane	7.83	88	264924	8.397	ppbv	93
41) Tetrahydrofuran	6.05	42	607596	7.451	ppbv	96
42) Bromodichloromethane	7.79	83	2309383	8.632	ppbv	97
43) Methyl Methacrylate	8.01	69	1057533	9.424	ppbv	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4779067	8.126	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	915228m	7.143	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	1182039	7.217	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1145989	8.347	ppbv	97
48) Dibromochloromethane	10.30	129	1919500	9.171	ppbv	99
49) Bromoform	13.04	173	1560585	9.254	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1988488	7.770	ppbv	99
51) 2-Hexanone	10.14	43	1022713	7.919	ppbv #	98
52) Tetrachloroethene	11.22	164	962754	7.824	ppbv	98
53) Toluene	9.81	91	3174937	8.922	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1646332	8.491	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1332004	9.710	ppbv #	62
57) Chlorobenzene	12.15	112	2355208	9.126	ppbv	99
58) Ethyl Benzene	12.71	91	4279741	9.699	ppbv	99
59) m/p-Xylene	13.00	91	7254680m	18.849	ppbv	
60) o-Xylene	13.69	91	3376182	9.072	ppbv	100
61) Styrene	13.53	104	1834355	9.798	ppbv	99
62) Isopropylbenzene	14.67	105	4734637	9.448	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2523620	8.890	ppbv	99
64) n-propylbenzene	15.56	120	1233647	10.068	ppbv	98
65) tert-Butylbenzene	16.74	119	4137452	9.521	ppbv	100
66) Benzyl Chloride	16.99	91	299536m	6.236	ppbv	
67) sec-Butylbenzene	17.29	105	5812250	9.475	ppbv	100
69) p-Isopropyltoluene	17.65	119	4775230	9.969	ppbv	99
70) n-Butylbenzene	18.55	91	4858690	9.783	ppbv	99
71) 2-Chlorotoluene	15.45	91	3639833	9.693	ppbv	100
72) 4-Ethyltoluene	15.84	105	4091679	10.034	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3598180	9.454	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	3749752	9.207	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2202872	9.609	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2119933	9.314	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2134124	9.903	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1640245	8.499	ppbv	99
79) Naphthalene	22.20	128	2470509	10.395	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	410912	8.768	ppbv	94
81) 1,2,4-Trichlorobenzene	21.93	180	1488761	10.146	ppbv	100

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

