

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041221\
 Data File : VL036787.D
 Acq On : 12 Apr 2021 12:32
 Operator : SY/AP
 Sample : VL0412ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Manual Integrations
 APPROVED

apatel
 4/13/2021 10:42:56 AM

Quant Time: Apr 12 18:51:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1483801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3842543	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3163669m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2224868	8.82	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1900991	7.855	ppbv	97
3) Chlorodifluoromethane	2.99	51	2641055	9.527	ppbv	99
4) Chloromethane	3.15	50	959967	9.803	ppbv	99
5) Vinyl Chloride	3.26	62	964160	9.576	ppbv	99
6) Bromomethane	3.48	94	535118	9.653	ppbv	96
7) Chloroethane	3.56	64	337950	9.768	ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2188231	9.474	ppbv	98
9) Propene	3.02	41	869603	9.839	ppbv	99
10) Heptane	8.14	43	2218373	9.853	ppbv	98
11) Trichlorofluoromethane	3.96	101	2243093	9.095	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1521500	9.649	ppbv	98
13) Ethanol	3.62	45	129152	12.272	ppbv	95
14) Bromoethene	3.75	108	665109	10.146	ppbv	98
15) Acetone	3.86	43	1299107	8.896	ppbv	99
16) 1,3-Butadiene	3.34	39	981124	9.650	ppbv	97
17) tert-Butyl alcohol	4.30	59	1574137	12.382	ppbv	99
18) 1,1-Dichloroethene	4.30	96	692044	9.866	ppbv	91
19) Isopropyl Alcohol	3.98	45	956847	11.911	ppbv	# 96
20) Methylene Chloride	4.36	84	605649	8.858	ppbv	96
21) Allyl Chloride	4.42	41	1189257	10.215	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	656750	10.099	ppbv	90
23) Vinyl Acetate	5.09	43	2540166	10.168	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1804499	9.910	ppbv	99
25) Ethyl Acetate	5.69	43	3441134	9.911	ppbv	99
26) Hexane	5.70	57	1602645	9.947	ppbv	99
27) Carbon Disulfide	4.56	76	1713841	10.798	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1992020	10.484	ppbv	99
29) Chloroform	5.77	83	2505116	9.722	ppbv	100
30) Cyclohexane	7.15	84	1382564	10.580	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1602912	10.286	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	2552133	9.828	ppbv	99
34) 2-Butanone	5.26	43	1690847	9.015	ppbv	96
35) Carbon Tetrachloride	7.03	117	2666844	9.036	ppbv	97
36) Benzene	6.91	78	3382065	9.543	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1934987	9.277	ppbv	100
38) Trichloroethene	7.85	130	1213265	8.797	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1306665	9.089	ppbv	96
40) 1,4-Dioxane	7.85	88	343270m	10.260	ppbv	
41) Tetrahydrofuran	6.06	42	826883	9.561	ppbv	95
42) Bromodichloromethane	7.81	83	2712756	9.562	ppbv	99
43) Methyl Methacrylate	8.03	69	1204945	10.125	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5603600	8.984	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1469225	10.812	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1820166	10.479	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1359623	9.338	ppbv	96
48) Dibromochloromethane	10.32	129	2259785	10.181	ppbv	98
49) Bromoform	13.06	173	1795544	10.040	ppbv	97
50) 4-Methyl-2-Pentanone	8.76	43	2586338	9.530	ppbv	99
51) 2-Hexanone	10.16	43	1377458	10.057	ppbv #	97
52) Tetrachloroethene	11.24	164	1125610	8.626	ppbv	95
53) Toluene	9.82	91	3743642	9.920	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1959090	9.527	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1492966	10.433	ppbv	94
57) Chlorobenzene	12.17	112	2744220	10.195	ppbv	97
58) Ethyl Benzene	12.73	91	4976961	10.813	ppbv	99
59) m/p-Xylene	13.01	91	8377393m	20.867	ppbv	
60) o-Xylene	13.72	91	3927488	10.118	ppbv	99
61) Styrene	13.55	104	2350142	12.034	ppbv	99
62) Isopropylbenzene	14.69	105	5350158	10.235	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2852840	9.634	ppbv	99
64) n-propylbenzene	15.58	120	1392038	10.892	ppbv	98
65) tert-Butylbenzene	16.77	119	4644086	10.246	ppbv	100
66) Benzyl Chloride	17.01	91	655685	13.087	ppbv	99
67) sec-Butylbenzene	17.32	105	6509651	10.174	ppbv	100
69) p-Isopropyltoluene	17.68	119	5382254	10.772	ppbv	99
70) n-Butylbenzene	18.57	91	5567584	10.747	ppbv	99
71) 2-Chlorotoluene	15.48	91	4116085	10.508	ppbv	99
72) 4-Ethyltoluene	15.86	105	4506417	10.595	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4278494	10.777	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4345396	10.228	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	2554302	10.682	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2497205	10.518	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2411588	10.729	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1783194	8.858	ppbv	100
79) Naphthalene	22.23	128	3021382	12.188	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	882473	18.052	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1717519	11.221	ppbv	99

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

