

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036506.D
 Acq On : 26 Mar 2021 8:35
 Operator : SY/AP
 Sample : VL0326ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0326ABS01

Manual Integrations
 APPROVED

apatel
 4/1/2021 8:23:54 AM

Quant Time: Mar 26 09:07:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 26 09:07:21 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	1470603	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	3570299	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3283819m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2760932	10.55	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2450402	10.216	ppbv	98
3) Chlorodifluoromethane	3.00	51	2673937	9.732	ppbv	100
4) Chloromethane	3.15	50	959332	9.885	ppbv	97
5) Vinyl Chloride	3.27	62	957548	9.596	ppbv	97
6) Bromomethane	3.48	94	544981	9.919	ppbv	97
7) Chloroethane	3.56	64	327620	9.554	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2266679	9.901	ppbv	100
9) Propene	3.02	41	910275	10.392	ppbv	97
10) Heptane	8.15	43	2294976	10.285	ppbv	100
11) Trichlorofluoromethane	3.96	101	2399390	9.816	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1528032	9.777	ppbv	99
13) Ethanol	3.62	45	83205m	7.977	ppbv	
14) Bromoethene	3.75	108	661414	10.180	ppbv	98
15) Acetone	3.86	43	1295875	8.953	ppbv	100
16) 1,3-Butadiene	3.34	39	978565	9.711	ppbv	97
17) tert-Butyl alcohol	4.30	59	1230845	9.769	ppbv	99
18) 1,1-Dichloroethene	4.30	96	663578	9.546	ppbv	98
19) Isopropyl Alcohol	3.98	45	660799	8.299	ppbv #	97
20) Methylene Chloride	4.36	84	576274	8.504	ppbv	91
21) Allyl Chloride	4.42	41	1148982	9.958	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	599467	9.301	ppbv	91
23) Vinyl Acetate	5.09	43	2513478	10.152	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1857378	10.292	ppbv	99
25) Ethyl Acetate	5.69	43	3387065	9.843	ppbv	99
26) Hexane	5.70	57	1586364	9.934	ppbv	100
27) Carbon Disulfide	4.56	76	1699849	10.806	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1910184	10.143	ppbv	99
29) Chloroform	5.77	83	2544421	9.963	ppbv	99
30) Cyclohexane	7.15	84	1344411	10.381	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1573844	10.190	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	2523300	9.804	ppbv	98
34) 2-Butanone	5.26	43	1701806	9.765	ppbv	99
35) Carbon Tetrachloride	7.04	117	2655366	9.683	ppbv	99
36) Benzene	6.91	78	3270617	9.933	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1927383	9.945	ppbv	100
38) Trichloroethene	7.86	130	1191368	9.297	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1312646	9.827	ppbv	97
40) 1,4-Dioxane	7.85	88	253979	8.170	ppbv	57
41) Tetrahydrofuran	6.07	42	795512m	9.900	ppbv	
42) Bromodichloromethane	7.82	83	2702255	10.251	ppbv	99
43) Methyl Methacrylate	8.04	69	1199388	10.847	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5570619	9.612	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1328457	10.522	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1662435	10.301	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	1288466	9.524	ppbv	98
48) Dibromochloromethane	10.33	129	2134462	10.349	ppbv	100
49) Bromoform	13.07	173	1673330	10.070	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2651817	10.516	ppbv	100
51) 2-Hexanone	10.16	43	1439180	11.309	ppbv #	100
52) Tetrachloroethene	11.25	164	1087344	8.968	ppbv	99
53) Toluene	9.83	91	3643682	10.391	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1856344	9.716	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1450462	9.766	ppbv	98
57) Chlorobenzene	12.18	112	2596787	9.294	ppbv	99
58) Ethyl Benzene	12.74	91	4859505	10.172	ppbv	99
59) m/p-Xylene	13.02	91	8102282m	19.444	ppbv	
60) o-Xylene	13.72	91	3811610	9.460	ppbv	99
61) Styrene	13.55	104	2233816	11.020	ppbv	100
62) Isopropylbenzene	14.70	105	5117170	9.431	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2630033	8.557	ppbv	99
64) n-propylbenzene	15.59	120	1335677	10.069	ppbv	100
65) tert-Butylbenzene	16.78	119	4365766	9.279	ppbv	99
66) Benzyl Chloride	17.02	91	535739	10.302	ppbv	99
67) sec-Butylbenzene	17.32	105	6176428	9.300	ppbv	100
69) p-Isopropyltoluene	17.68	119	5102279	9.838	ppbv	100
70) n-Butylbenzene	18.58	91	5321300	9.896	ppbv	100
71) 2-Chlorotoluene	15.48	91	3923701	9.651	ppbv	100
72) 4-Ethyltoluene	15.87	105	4433062	10.041	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4002576	9.713	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4081610	9.256	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	2231161	8.989	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	2138726	8.678	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	2090755	8.961	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1856261	8.884	ppbv	99
79) Naphthalene	22.23	128	3304455	12.842	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	788820	15.546	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1809247	11.388	ppbv	99

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

