

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036908.D
 Acq On : 6 May 2021 17:57
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0506ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2021
 Supervised By : Mahesh Dadoda 05/10/2021

Quant Time: May 07 09:06:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1496639	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3773615	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3438370m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2851588	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2334334	9.904	ppbv	97
3) Chlorodifluoromethane	2.99	51	2824582	10.361	ppbv	100
4) Chloromethane	3.15	50	990184	11.051	ppbv	92
5) Vinyl Chloride	3.26	62	904915	10.012	ppbv	98
6) Bromomethane	3.48	94	522592	10.753	ppbv	98
7) Chloroethane	3.57	64	335351	11.291	ppbv	89
8) Dichlorotetrafluoroethane	3.19	85	2285677	10.632	ppbv	99
9) Propene	3.02	41	939129	11.305	ppbv	99
10) Heptane	8.13	43	2347736	11.237	ppbv	96
11) Trichlorofluoromethane	3.96	101	2221816	10.560	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1467455	10.421	ppbv	99
13) Ethanol	3.62	45	98334m	9.282	ppbv	
14) Bromoethene	3.75	108	649624	11.292	ppbv	99
15) Acetone	3.86	43	1237067	8.770	ppbv	98
16) 1,3-Butadiene	3.33	39	974803	10.807	ppbv	97
17) tert-Butyl alcohol	4.30	59	1312799	11.466	ppbv	100
18) 1,1-Dichloroethene	4.29	96	662891	10.832	ppbv	95
19) Isopropyl Alcohol	3.97	45	719511	10.294	ppbv #	97
20) Methylene Chloride	4.35	84	529447	7.849	ppbv	91
21) Allyl Chloride	4.42	41	1130527	10.785	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	633549	10.316	ppbv	96
23) Vinyl Acetate	5.08	43	2616978	13.638	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1803574	13.241	ppbv	98
25) Ethyl Acetate	5.69	43	3592427	10.426	ppbv	99
26) Hexane	5.70	57	1703880	10.569	ppbv	95
27) Carbon Disulfide	4.56	76	1652362	11.800	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1978388	13.845	ppbv	100
29) Chloroform	5.76	83	2684706	10.682	ppbv	98
30) Cyclohexane	7.13	84	1445259	11.305	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1710675	11.822	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2728540	10.676	ppbv	99
34) 2-Butanone	5.25	43	1777444	10.753	ppbv	99
35) Carbon Tetrachloride	7.02	117	2867150	11.197	ppbv	97
36) Benzene	6.90	78	3575401	11.245	ppbv	98
37) 1,2-Dichloroethane	6.31	62	2010861	11.169	ppbv	98
38) Trichloroethene	7.84	130	1305245	11.530	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1419112	11.141	ppbv	97
40) 1,4-Dioxane	7.84	88	321080	10.439	ppbv #	1
41) Tetrahydrofuran	6.06	42	839283	11.607	ppbv	98
42) Bromodichloromethane	7.80	83	2975124	11.893	ppbv	97
43) Methyl Methacrylate	8.02	69	1253952	12.087	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6009620	11.029	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1415327	12.655	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1805592	12.592	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1457434	11.052	ppbv	98
48) Dibromochloromethane	10.31	129	2370517	12.131	ppbv	98
49) Bromoform	13.05	173	1897347	12.162	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2626616	11.625	ppbv	99
51) 2-Hexanone	10.15	43	1305490	11.584	ppbv #	96
52) Tetrachloroethene	11.23	164	1201563	11.098	ppbv	97
53) Toluene	9.81	91	3963498	11.913	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2057093	11.048	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1589489	11.027	ppbv #	64
57) Chlorobenzene	12.16	112	2892763	10.802	ppbv	100
58) Ethyl Benzene	12.72	91	5242414	12.021	ppbv	99
59) m/p-Xylene	13.01	91	8893980m	22.818	ppbv	
60) o-Xylene	13.70	91	4194723	11.130	ppbv	100
61) Styrene	13.53	104	2383717	13.468	ppbv	100
62) Isopropylbenzene	14.67	105	5651792	11.022	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3101867	10.267	ppbv	100
64) n-propylbenzene	15.57	120	1490773	11.665	ppbv	100
65) tert-Butylbenzene	16.75	119	4973373	10.970	ppbv	99
66) Benzyl Chloride	16.99	91	494527	11.156	ppbv	98
67) sec-Butylbenzene	17.30	105	6981372	11.089	ppbv	100
69) p-Isopropyltoluene	17.66	119	5720904	11.335	ppbv	99
70) n-Butylbenzene	18.55	91	5908025	11.614	ppbv	100
71) 2-Chlorotoluene	15.46	91	4362513	11.487	ppbv	99
72) 4-Ethyltoluene	15.84	105	4839528	11.963	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4470712	11.396	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4611676	11.067	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2648421	10.751	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2576913	10.689	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2570282	10.682	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1856128	9.079	ppbv	100
79) Naphthalene	22.20	128	2873707	12.313	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	314092	12.204	ppbv	93
81) 1,2,4-Trichlorobenzene	21.93	180	1678531m	11.119	ppbv	

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

