

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036910.D
 Acq On : 6 May 2021 19:14
 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 09:09:04 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	1456020	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3742306	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	3439303m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2840367	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2207681	9.628 ppbv	97
3) Chlorodifluoromethane	2.99	51	2778604	10.477 ppbv	100
4) Chloromethane	3.15	50	970550	11.134 ppbv	92
5) Vinyl Chloride	3.26	62	950372	10.809 ppbv	97
6) Bromomethane	3.48	94	517502	10.945 ppbv	99
7) Chloroethane	3.56	64	333253	11.534 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2234683	10.684 ppbv	99
9) Propene	3.02	41	950682	11.763 ppbv	98
10) Heptane	8.13	43	2317464	11.402 ppbv	97
11) Trichlorofluoromethane	3.95	101	2182083	10.661 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1484893	10.839 ppbv	100
13) Ethanol	3.62	45	101184m	9.818 ppbv	
14) Bromoethene	3.74	108	653048	11.668 ppbv	97
15) Acetone	3.86	43	1171326	8.535 ppbv	98
16) 1,3-Butadiene	3.33	39	966492	11.014 ppbv	98
17) tert-Butyl alcohol	4.30	59	1295669	11.632 ppbv	99
18) 1,1-Dichloroethene	4.29	96	654423	10.992 ppbv	99
19) Isopropyl Alcohol	3.98	45	769623	11.319 ppbv	99
20) Methylene Chloride	4.35	84	554969	8.457 ppbv	91
21) Allyl Chloride	4.42	41	1121699	11.000 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	647105	10.831 ppbv	97
23) Vinyl Acetate	5.08	43	2547356	13.646 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1724241	13.011 ppbv	99
25) Ethyl Acetate	5.69	43	3547993	10.584 ppbv	99
26) Hexane	5.70	57	1671694	10.659 ppbv	96
27) Carbon Disulfide	4.56	76	1652086	12.127 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1991613	14.326 ppbv	100
29) Chloroform	5.76	83	2651524	10.844 ppbv	100
30) Cyclohexane	7.14	84	1436436	11.549 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1687478	11.987 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2699461	10.857 ppbv	99
34) 2-Butanone	5.26	43	1766136	10.774 ppbv	97
35) Carbon Tetrachloride	7.02	117	2812274	11.075 ppbv	94
36) Benzene	6.90	78	3583652	11.366 ppbv	98
37) 1,2-Dichloroethane	6.31	62	2001444	11.209 ppbv	99
38) Trichloroethene	7.84	130	1276524	11.371 ppbv	99
39) 1,2-Dichloropropane	7.62	63	1382143	10.941 ppbv	96
40) 1,4-Dioxane	7.84	88	296668	9.726 ppbv	77
41) Tetrahydrofuran	6.06	42	867743	12.101 ppbv	99
42) Bromodichloromethane	7.80	83	2864507	11.547 ppbv	98
43) Methyl Methacrylate	8.02	69	1277484	12.417 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5926110	10.967	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1433652	12.926	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1814863	12.762	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1419284	10.852	ppbv	99
48) Dibromochloromethane	10.31	129	2350867	12.131	ppbv	98
49) Bromoform	13.05	173	1870686	12.092	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2628620	11.731	ppbv	99
51) 2-Hexanone	10.14	43	1336720	11.961	ppbv #	95
52) Tetrachloroethene	11.23	164	1194963	11.130	ppbv	99
53) Toluene	9.81	91	3930995	11.915	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2041330	11.056	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1562455	10.836	ppbv #	62
57) Chlorobenzene	12.15	112	2872556	10.723	ppbv	99
58) Ethyl Benzene	12.72	91	5185211	11.886	ppbv	99
59) m/p-Xylene	13.00	91	8749229m	22.440	ppbv	
60) o-Xylene	13.70	91	4102984	10.884	ppbv	100
61) Styrene	13.53	104	2385770	13.476	ppbv	100
62) Isopropylbenzene	14.67	105	5574113	10.868	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3018093	9.987	ppbv	100
64) n-propylbenzene	15.57	120	1472406	11.518	ppbv	99
65) tert-Butylbenzene	16.75	119	4877107	10.755	ppbv	99
66) Benzyl Chloride	16.99	91	493797	11.136	ppbv	99
67) sec-Butylbenzene	17.30	105	6859410	10.893	ppbv	100
69) p-Isopropyltoluene	17.66	119	5657935	11.207	ppbv	99
70) n-Butylbenzene	18.55	91	5763184	11.326	ppbv	99
71) 2-Chlorotoluene	15.46	91	4312305	11.352	ppbv	100
72) 4-Ethyltoluene	15.84	105	4864412	12.022	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4398688	11.209	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4500095	10.796	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2627660	10.664	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2502664	10.379	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2509930	10.429	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1804032	8.822	ppbv	99
79) Naphthalene	22.20	128	2807078	12.024	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	286022	11.110	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1673266	11.081	ppbv	100

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

