

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036479.D
 Acq On : 25 Mar 2021 9:05
 Operator : SY/AP
 Sample : VL0325ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0325ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

Quant Time: Mar 26 04:40:47 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1596629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3863866	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3712974m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2966050	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2393708	9.192 ppbv	99
3) Chlorodifluoromethane	2.98	51	2643863	8.863 ppbv	100
4) Chloromethane	3.13	50	949175	9.008 ppbv	98
5) Vinyl Chloride	3.25	62	961467	8.874 ppbv	100
6) Bromomethane	3.47	94	534639	8.963 ppbv	95
7) Chloroethane	3.55	64	340037	9.134 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2256080	9.077 ppbv	99
9) Propene	3.01	41	906396	9.531 ppbv	98
10) Heptane	8.12	43	2282164	9.420 ppbv	99
11) Trichlorofluoromethane	3.94	101	2410790	9.084 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1580934	9.317 ppbv	97
13) Ethanol	3.61	45	91457m	8.076 ppbv	
14) Bromoethene	3.74	108	672111	9.528 ppbv	97
15) Acetone	3.85	43	1283351	8.167 ppbv	99
16) 1,3-Butadiene	3.32	39	1009653	9.229 ppbv	99
17) tert-Butyl alcohol	4.29	59	1221792	8.931 ppbv	98
18) 1,1-Dichloroethene	4.29	96	676397	8.962 ppbv	91
19) Isopropyl Alcohol	3.96	45	699278	8.089 ppbv	99
20) Methylene Chloride	4.34	84	561235	7.628 ppbv	92
21) Allyl Chloride	4.41	41	1140749	9.106 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	637263	9.107 ppbv	91
23) Vinyl Acetate	5.07	43	2452671	9.124 ppbv	100
24) 1,1-Dichloroethane	5.01	63	1807818	9.227 ppbv #	99
25) Ethyl Acetate	5.68	43	3391360	9.077 ppbv	99
26) Hexane	5.69	57	1595362	9.202 ppbv	100
27) Carbon Disulfide	4.55	76	1713592	10.033 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1871724	9.154 ppbv	99
29) Chloroform	5.75	83	2516297	9.075 ppbv	99
30) Cyclohexane	7.13	84	1339485	9.526 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1589338	9.478 ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2481905	8.882 ppbv	98
34) 2-Butanone	5.24	43	1714811	9.092 ppbv	99
35) Carbon Tetrachloride	7.02	117	2618968	8.825 ppbv	99
36) Benzene	6.89	78	3248959	9.117 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1903330	9.075 ppbv	100
38) Trichloroethene	7.83	130	1147325	8.273 ppbv	97
39) 1,2-Dichloropropane	7.61	63	1297120	8.973 ppbv	97
40) 1,4-Dioxane	7.83	88	263623	7.836 ppbv	68
41) Tetrahydrofuran	6.05	42	806126	9.270 ppbv	99
42) Bromodichloromethane	7.79	83	2663480	9.336 ppbv	99
43) Methyl Methacrylate	8.01	69	1199125	10.021 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5514978	8.793	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1306094	9.559	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1619776	9.274	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1300908	8.885	ppbv	99
48) Dibromochloromethane	10.30	129	2150089	9.633	ppbv	99
49) Bromoform	13.04	173	1668850	9.280	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2640925	9.677	ppbv	99
51) 2-Hexanone	10.14	43	1441166	10.464	ppbv #	100
52) Tetrachloroethene	11.22	164	1075383	8.195	ppbv	98
53) Toluene	9.80	91	3619718	9.538	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1843527	8.916	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1436223	8.552	ppbv #	57
57) Chlorobenzene	12.14	112	2600273	8.231	ppbv	98
58) Ethyl Benzene	12.71	91	4804036	8.893	ppbv	98
59) m/p-Xylene	13.00	91	8052366m	17.090	ppbv	
60) o-Xylene	13.69	91	3758323	8.250	ppbv	99
61) Styrene	13.53	104	2232722	9.742	ppbv	99
62) Isopropylbenzene	14.67	105	5131317	8.364	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2610513	7.512	ppbv	100
64) n-propylbenzene	15.56	120	1332462	8.883	ppbv	100
65) tert-Butylbenzene	16.74	119	4391292	8.255	ppbv	100
66) Benzyl Chloride	16.99	91	521724	8.873	ppbv	98
67) sec-Butylbenzene	17.29	105	6176983	8.226	ppbv	100
69) p-Isopropyltoluene	17.65	119	5114853	8.722	ppbv	100
70) n-Butylbenzene	18.55	91	5324511	8.757	ppbv	100
71) 2-Chlorotoluene	15.45	91	3915070	8.516	ppbv	100
72) 4-Ethyltoluene	15.84	105	4231837	8.477	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3973219	8.528	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4081820	8.187	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2255336	8.036	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2188634	7.855	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2143760	8.126	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1874362	7.934	ppbv	99
79) Naphthalene	22.19	128	3395985	11.672	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	849090	14.800	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1805932	10.053	ppbv	97

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

