

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036398.D
 Acq On : 26 Feb 2021 12:16
 Operator : SY/AP
 Sample : VL0226ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0226ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:22 AM

Quant Time: Feb 27 03:28:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1453257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3337603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	3135094m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2725441	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	3032958	13.984	ppbv	100
3) Chlorodifluoromethane	2.96	51	2044893	11.325	ppbv	100
4) Chloromethane	3.11	50	1012495	11.607	ppbv	99
5) Vinyl Chloride	3.23	62	987353	12.155	ppbv	98
6) Bromomethane	3.45	94	582273	12.060	ppbv	96
7) Chloroethane	3.53	64	333750	11.571	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2323638	11.780	ppbv	99
9) Propene	2.99	41	941178	13.980	ppbv	99
10) Heptane	8.09	43	2422254	12.208	ppbv	99
11) Trichlorofluoromethane	3.92	101	2510395	11.820	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1563216	11.882	ppbv	99
13) Ethanol	3.58	45	124256	9.826	ppbv	100
14) Bromoethene	3.71	108	653656	11.872	ppbv	99
15) Acetone	3.82	43	1863706	10.491	ppbv	98
16) 1,3-Butadiene	3.30	39	985905	11.606	ppbv	100
17) tert-Butyl alcohol	4.27	59	1286832	9.332	ppbv	99
18) 1,1-Dichloroethene	4.26	96	681592	11.400	ppbv	98
19) Isopropyl Alcohol	3.94	45	902113	9.166	ppbv #	96
20) Methylene Chloride	4.32	84	617896	10.781	ppbv	98
21) Allyl Chloride	4.38	41	1138647	11.513	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	626975	11.545	ppbv	95
23) Vinyl Acetate	5.05	43	2503181	11.984	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1832080	11.860	ppbv	99
25) Ethyl Acetate	5.65	43	4041143	11.784	ppbv	99
26) Hexane	5.66	57	1661859	11.794	ppbv	99
27) Carbon Disulfide	4.52	76	1774312	13.701	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	2206524	11.987	ppbv	100
29) Chloroform	5.72	83	2634849	11.607	ppbv	100
30) Cyclohexane	7.10	84	1355581	11.568	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1639596	11.760	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2557884	12.052	ppbv	99
34) 2-Butanone	5.21	43	2524308	11.383	ppbv	100
35) Carbon Tetrachloride	6.99	117	2632226	11.767	ppbv	97
36) Benzene	6.86	78	3402919	12.002	ppbv	98
37) 1,2-Dichloroethane	6.28	62	2050054	11.695	ppbv	100
38) Trichloroethene	7.80	130	1150202	11.324	ppbv	96
39) 1,2-Dichloropropane	7.58	63	1380371	11.985	ppbv	98
40) 1,4-Dioxane	7.80	88	400124	10.027	ppbv #	23
41) Tetrahydrofuran	6.02	42	1505956	12.169	ppbv	99
42) Bromodichloromethane	7.76	83	2824843	12.033	ppbv	99
43) Methyl Methacrylate	7.98	69	1517331	12.690	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5817849	11.285	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1609453	13.953	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1971173	13.453	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1386783	11.766	ppbv	96
48) Dibromochloromethane	10.28	129	2276702	12.945	ppbv	99
49) Bromoform	13.01	173	1941709	13.656	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	3972172	12.066	ppbv	100
51) 2-Hexanone	10.10	43	3227061	12.901	ppbv #	99
52) Tetrachloroethene	11.19	164	1117594	10.768	ppbv	97
53) Toluene	9.77	91	3767698	12.269	ppbv	98
54) 1,2-Dibromoethane	10.58	107	2033315	11.937	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.09	131	1727372	11.979	ppbv #	64
57) Chlorobenzene	12.11	112	2778294	11.470	ppbv	96
58) Ethyl Benzene	12.68	91	5185575	12.079	ppbv	98
59) m/p-Xylene	12.97	91	8825141m	23.404	ppbv	
60) o-Xylene	13.66	91	4186044	11.611	ppbv	99
61) Styrene	13.50	104	2981336	13.343	ppbv	99
62) Isopropylbenzene	14.64	105	6193777	11.461	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	3042166	10.694	ppbv	100
64) n-propylbenzene	15.53	120	1626476	12.229	ppbv	96
65) tert-Butylbenzene	16.72	119	5293004	11.447	ppbv	99
66) Benzyl Chloride	16.96	91	1978994	15.744	ppbv	100
67) sec-Butylbenzene	17.27	105	7527853	11.289	ppbv	98
69) p-Isopropyltoluene	17.63	119	6149432	11.933	ppbv	99
70) n-Butylbenzene	18.52	91	6487887	11.740	ppbv	99
71) 2-Chlorotoluene	15.42	91	4890043	11.804	ppbv	99
72) 4-Ethyltoluene	15.81	105	4882733	12.169	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4524570	11.633	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4608420	11.606	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	2580583	11.973	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2539164	11.345	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2471404	11.559	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1719617m	9.845	ppbv	
79) Naphthalene	22.16	128	3163290	13.439	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	155986	3.579	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1690858	11.774	ppbv	99

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

