

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032292.D
 Acq On : 19 Jul 2018 17:33
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0719ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:13 PM

Quant Time: Jul 20 02:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1570997	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3344341	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4336392	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3199727	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	1642732	6.15	ppbv	100
3) Chlorodifluoromethane	3.06	51	1776064	10.07	ppbv	98
4) Chloromethane	3.22	50	1070789	10.31	ppbv	97
5) Vinyl Chloride	3.34	62	1009081	10.25	ppbv	99
6) Bromomethane	3.57	94	539439	10.06	ppbv	97
7) Chloroethane	3.66	64	350105	10.03	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	2077321	9.53	ppbv	99
9) Propene	3.09	41	846920	10.99	ppbv	100
10) Heptane	8.33	43	2405024	9.82	ppbv	100
11) Trichlorofluoromethane	4.06	101	2014440	9.64	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1318461	9.90	ppbv	98
13) Ethanol	3.71	45	222362	10.10	ppbv	96
14) Bromoethene	3.85	108	602456	10.03	ppbv	98
15) Acetone	3.96	43	1571992	9.56	ppbv	100
16) 1,3-Butadiene	3.42	39	893262	10.67	ppbv	99
17) tert-Butyl alcohol	4.42	59	550371	10.61	ppbv	100
18) 1,1-Dichloroethene	4.42	96	630425	10.13	ppbv	99
19) Isopropyl Alcohol	4.09	45	1213177	10.91	ppbv	99
20) Methylene Chloride	4.48	84	568407	8.98	ppbv	95
21) Allyl Chloride	4.54	41	1146017	10.58	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	657499	10.18	ppbv	99
23) Vinyl Acetate	5.22	43	3188447	10.81	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2147873	10.04	ppbv	99
25) Ethyl Acetate	5.84	43	3699367	10.33	ppbv	99
26) Hexane	5.86	57	1674684	10.18	ppbv	99
27) Carbon Disulfide	4.69	76	1656354	11.37	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2520037	10.33	ppbv	99
29) Chloroform	5.93	83	2411743	9.94	ppbv	98
30) Cyclohexane	7.33	84	1415273	10.26	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1697107	10.76	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	2372968	9.67	ppbv	99
34) 2-Butanone	5.40	43	2588262	11.28	ppbv	99
35) Carbon Tetrachloride	7.22	117	2347770	10.21	ppbv	98
36) Benzene	7.09	78	3588101	10.90	ppbv	99
37) 1,2-Dichloroethane	6.49	62	1842933	9.48	ppbv	100
38) Trichloroethene	8.04	130	1141047	10.48	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1450306	11.13	ppbv	98
40) 1,4-Dioxane	8.04	88	457771	11.89	ppbv #	16
41) Tetrahydrofuran	6.22	42	1514192	11.31	ppbv	99
42) Bromodichloromethane	8.00	83	2646036	10.81	ppbv	98
43) Methyl Methacrylate	8.22	69	1461417	10.83	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6106918	10.64	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2222655	13.98	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2321202	11.45	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1624037	11.53	ppbv	97
48) Dibromochloromethane	10.54	129	2260756	11.01	ppbv	99
49) Bromoform	13.30	173	2060958	11.50	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4099628	10.86	ppbv	99
51) 2-Hexanone	10.36	43	3248966	11.29	ppbv #	99
52) Tetrachloroethene	11.46	164	1229321	10.93	ppbv	97
53) Toluene	10.04	91	4018729	10.07	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2417053	11.63	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	1828523	9.47	ppbv	98
57) Chlorobenzene	12.40	112	3377952	9.50	ppbv	97
58) Ethyl Benzene	12.96	91	6226430	10.19	ppbv	99
59) m/p-Xylene	13.24	91	9979811m	19.14	ppbv	
60) o-Xylene	13.94	91	4827575	9.30	ppbv	99
61) Styrene	13.78	104	3932352	10.20	ppbv	99
62) Isopropylbenzene	14.92	105	6870947	9.23	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3609534	8.15	ppbv	99
64) n-propylbenzene	15.82	120	1782611	9.33	ppbv	97
65) tert-Butylbenzene	17.00	119	5603219	8.84	ppbv	99
66) Benzyl Chloride	17.25	91	3708885	10.39	ppbv	100
67) sec-Butylbenzene	17.55	105	8453201	8.93	ppbv	100
69) p-Isopropyltoluene	17.91	119	6724526	9.20	ppbv	99
70) n-Butylbenzene	18.81	91	7619880	9.35	ppbv	100
71) 2-Chlorotoluene	15.71	91	5471465	9.17	ppbv	99
72) 4-Ethyltoluene	16.09	105	5735159	9.56	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5423191	9.25	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	5340289	8.70	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	2938132	8.61	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3002138	8.87	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2911667	8.83	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	898009	8.40	ppbv	99
79) Naphthalene	22.52	128	5156785	10.00	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2502733	11.43	ppbv	98
81) 1,2,4-Trichlorobenzene	22.25	180	2433463	9.68	ppbv	99

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

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