

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032268.D
 Acq On : 18 Jul 2018 19:47
 Operator : SY/AP
 Sample : VL0718ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0718ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:12 PM

Quant Time: Jul 19 02:11:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 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	1685200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3788112	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4646120m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3493844	9.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2612424	9.12	ppbv	99
3) Chlorodifluoromethane	3.06	51	1812799	9.59	ppbv	99
4) Chloromethane	3.22	50	1081684	9.71	ppbv	99
5) Vinyl Chloride	3.35	62	1040694	9.86	ppbv	99
6) Bromomethane	3.57	94	566422	9.84	ppbv	98
7) Chloroethane	3.66	64	374825	10.01	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	2125432	9.09	ppbv	100
9) Propene	3.09	41	868499	10.51	ppbv	100
10) Heptane	8.33	43	3050383	11.61	ppbv	98
11) Trichlorofluoromethane	4.07	101	2131970	9.52	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1384569	9.69	ppbv	100
13) Ethanol	3.71	45	187187	7.93	ppbv	95
14) Bromoethene	3.85	108	654414	10.16	ppbv	99
15) Acetone	3.96	43	1650750	9.36	ppbv	100
16) 1,3-Butadiene	3.42	39	868076	9.66	ppbv	95
17) tert-Butyl alcohol	4.42	59	578616	10.40	ppbv	100
18) 1,1-Dichloroethene	4.42	96	657090	9.85	ppbv	99
19) Isopropyl Alcohol	4.09	45	1187993	9.96	ppbv	99
20) Methylene Chloride	4.48	84	581996	8.57	ppbv	98
21) Allyl Chloride	4.55	41	1214767	10.46	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	692500	10.00	ppbv	97
23) Vinyl Acetate	5.23	43	3266885	10.33	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2194069	9.56	ppbv	100
25) Ethyl Acetate	5.85	43	3715605	9.67	ppbv	100
26) Hexane	5.86	57	1691515	9.59	ppbv	99
27) Carbon Disulfide	4.69	76	1709292	10.94	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2626915	10.04	ppbv	100
29) Chloroform	5.93	83	2476687	9.52	ppbv	97
30) Cyclohexane	7.33	84	1500025	10.13	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1731271	10.23	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2478606	9.42	ppbv	99
34) 2-Butanone	5.41	43	2641904	10.16	ppbv	99
35) Carbon Tetrachloride	7.22	117	2534951	9.73	ppbv	99
36) Benzene	7.09	78	3719831	9.98	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2051821	9.31	ppbv	100
38) Trichloroethene	8.05	130	1140886	9.25	ppbv	99
39) 1,2-Dichloropropane	7.82	63	1526339	10.34	ppbv	99
40) 1,4-Dioxane	8.04	88	416546	9.55	ppbv #	12
41) Tetrahydrofuran	6.23	42	1622297	10.70	ppbv	99
42) Bromodichloromethane	8.01	83	2649285	9.55	ppbv	95
43) Methyl Methacrylate	8.22	69	1512306	9.90	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6037115	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2261340	12.56	ppbv	97
46) cis-1,3-Dichloropropene	8.93	75	2345130	10.21	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1420193	8.90	ppbv	96
48) Dibromochloromethane	10.55	129	2200465	9.46	ppbv	99
49) Bromoform	13.30	173	2117006	10.43	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4126997	9.65	ppbv	100
51) 2-Hexanone	10.36	43	3289106	10.09	ppbv #	100
52) Tetrachloroethene	11.47	164	1168980	9.18	ppbv	98
53) Toluene	10.04	91	3812202	8.43	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2251250	9.57	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1851253	8.95	ppbv	98
57) Chlorobenzene	12.40	112	3419256	8.97	ppbv	99
58) Ethyl Benzene	12.96	91	6357447	9.71	ppbv	98
59) m/p-Xylene	13.24	91	10147024m	18.17	ppbv	
60) o-Xylene	13.95	91	4958960	8.92	ppbv	100
61) Styrene	13.78	104	4028301	9.75	ppbv	99
62) Isopropylbenzene	14.92	105	6985706	8.76	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	3664868	7.73	ppbv	100
64) n-propylbenzene	15.82	120	1801650	8.80	ppbv	97
65) tert-Butylbenzene	17.00	119	5677510	8.36	ppbv	100
66) Benzyl Chloride	17.25	91	3792985	9.92	ppbv	99
67) sec-Butylbenzene	17.56	105	8540186	8.43	ppbv	100
69) p-Isopropyltoluene	17.91	119	6823917	8.71	ppbv	100
70) n-Butylbenzene	18.81	91	7694055	8.81	ppbv	100
71) 2-Chlorotoluene	15.71	91	5596543	8.76	ppbv	100
72) 4-Ethyltoluene	16.10	105	5841797	9.09	ppbv	100
73) 1,3,5-Trimethylbenzene	16.26	105	5517644	8.78	ppbv	97
74) 1,2,4-Trimethylbenzene	17.02	105	5414760	8.23	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2973792	8.14	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3045876	8.40	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2952792	8.36	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	976499	8.53	ppbv	99
79) Naphthalene	22.52	128	5239190	9.49	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2573060	10.97	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2447981	9.09	ppbv	100

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

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