

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032266.D
 Acq On : 18 Jul 2018 17:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071818

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:10 PM

Quant Time: Jul 19 02:03:18 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	1723900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3895410	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4528080	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3516216	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.13	85	2586666	8.82	ppbv	100
3) Chlorodifluoromethane	3.06	51	1819711	9.41	ppbv	99
4) Chloromethane	3.22	50	1055321	9.26	ppbv	97
5) Vinyl Chloride	3.34	62	991406	9.18	ppbv	99
6) Bromomethane	3.57	94	551901	9.38	ppbv	94
7) Chloroethane	3.66	64	360421	9.41	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2061313	8.62	ppbv	100
9) Propene	3.09	41	894144	10.57	ppbv	100
10) Heptane	8.33	43	2572589	9.57	ppbv	99
11) Trichlorofluoromethane	4.06	101	2026727	8.84	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1333962	9.13	ppbv	99
13) Ethanol	3.70	45	219693	9.09	ppbv	99
14) Bromoethene	3.85	108	638809	9.69	ppbv	98
15) Acetone	3.96	43	1622928	9.00	ppbv	99
16) 1,3-Butadiene	3.42	39	885549	9.64	ppbv	100
17) tert-Butyl alcohol	4.42	59	581620	10.22	ppbv	99
18) 1,1-Dichloroethene	4.42	96	634521	9.29	ppbv	99
19) Isopropyl Alcohol	4.08	45	1213946	9.95	ppbv	99
20) Methylene Chloride	4.47	84	572033	8.24	ppbv	96
21) Allyl Chloride	4.54	41	1162384	9.78	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	668530	9.43	ppbv	99
23) Vinyl Acetate	5.23	43	3304000	10.21	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2153177	9.17	ppbv	99
25) Ethyl Acetate	5.85	43	3715235	9.45	ppbv	100
26) Hexane	5.86	57	1703844	9.44	ppbv	100
27) Carbon Disulfide	4.69	76	1621558	10.15	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2655273	9.92	ppbv	99
29) Chloroform	5.93	83	2444087	9.18	ppbv	95
30) Cyclohexane	7.33	84	1528952	10.10	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1744073	10.08	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2431725	9.03	ppbv	99
34) 2-Butanone	5.40	43	2635199	9.86	ppbv	100
35) Carbon Tetrachloride	7.22	117	2526488	9.43	ppbv	96
36) Benzene	7.09	78	3723916	9.71	ppbv	99
37) 1,2-Dichloroethane	6.49	62	1977001	8.73	ppbv	100
38) Trichloroethene	8.05	130	1215531	9.58	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1505649	9.92	ppbv	97
40) 1,4-Dioxane	8.04	88	461910	10.30	ppbv #	15
41) Tetrahydrofuran	6.22	42	1562324	10.02	ppbv	99
42) Bromodichloromethane	8.00	83	2846445	9.98	ppbv	98
43) Methyl Methacrylate	8.22	69	1588289	10.11	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032266.D
 Acq On : 18 Jul 2018 17:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071818

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:10 PM

Quant Time: Jul 19 02:03:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 18:03:18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6425483	9.61	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2036933	11.00	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2394800	10.14	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1653164	10.08	ppbv	98
48) Dibromochloromethane	10.55	129	2121872	8.87	ppbv	99
49) Bromoform	13.30	173	2066781	9.90	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4083005	9.28	ppbv	100
51) 2-Hexanone	10.36	43	3092163	9.22	ppbv #	100
52) Tetrachloroethene	11.46	164	1177698	8.99	ppbv	97
53) Toluene	10.04	91	4678409	10.06	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2100934	8.68	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.38	131	1840630	9.13	ppbv #	59
57) Chlorobenzene	12.39	112	3342282	9.00	ppbv	100
58) Ethyl Benzene	12.96	91	6326503	9.91	ppbv	98
59) m/p-Xylene	13.24	91	10055512m	18.47	ppbv	
60) o-Xylene	13.94	91	4868326	8.98	ppbv	99
61) Styrene	13.78	104	3993502	9.92	ppbv	100
62) Isopropylbenzene	14.92	105	6959673	8.96	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3597473	7.78	ppbv	100
64) n-propylbenzene	15.81	120	1806582	9.05	ppbv	98
65) tert-Butylbenzene	17.00	119	5631025	8.50	ppbv	100
66) Benzyl Chloride	17.25	91	3836064	10.29	ppbv	100
67) sec-Butylbenzene	17.55	105	8453235	8.56	ppbv	100
69) p-Isopropyltoluene	17.91	119	6761555	8.86	ppbv	100
70) n-Butylbenzene	18.81	91	7531898	8.85	ppbv	100
71) 2-Chlorotoluene	15.71	91	5583087	8.96	ppbv	99
72) 4-Ethyltoluene	16.09	105	5778437	9.23	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5460618	8.92	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	5362235	8.37	ppbv	95
75) 1,3-Dichlorobenzene	17.26	146	2918103	8.19	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	2977152	8.43	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2917555	8.47	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	1787817	16.02	ppbv	100
79) Naphthalene	22.52	128	5109026	9.49	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2523090	11.03	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2417447	9.21	ppbv	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
Data File : VL032266.D
Acq On : 18 Jul 2018 17:26
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071818

Manual Integrations
APPROVED

MMDadoda
7/20/2018 2:53:10 PM

Quant Time: Jul 19 02:03:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

