

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006196.D
 Acq On : 19 Oct 2018 01:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:54:13 PM

Quant Time: Oct 19 08:04:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	374011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	194700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109477	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	111030	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.33	98	419167	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	159155	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66250	52.30	ug/l	98
3) Chloromethane	2.21	50	80855	49.59	ug/l	97
4) Vinyl Chloride	2.37	62	120599	51.79	ug/l	98
5) Bromomethane	2.79	94	108647	51.30	ug/l	100
6) Chloroethane	2.93	64	86233	51.67	ug/l	96
7) Trichlorofluoromethane	3.26	101	104799	48.31	ug/l	99
8) Diethyl Ether	3.68	74	58967	51.15	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119201	52.43	ug/l	98
10) Methyl Iodide	4.27	142	209078	55.26	ug/l	100
11) Tert butyl alcohol	5.23	59	35824	251.00	ug/l	99
12) 1,1-Dichloroethene	4.04	96	114176	53.38	ug/l	96
13) Acrolein	3.90	56	34733	251.49	ug/l	98
14) Allyl chloride	4.67	41	160344	52.43	ug/l	100
15) Acrylonitrile	5.38	53	112275	271.52	ug/l	99
16) Acetone	4.14	43	93333	233.44	ug/l	100
17) Carbon Disulfide	4.38	76	321599	49.82	ug/l	100
18) Methyl Acetate	4.68	43	57472	53.81	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	176527	54.19	ug/l	100
20) Methylene Chloride	4.91	84	124041	55.42	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130546	54.68	ug/l	98
22) Diisopropyl ether	6.32	45	331973	54.93	ug/l	99
23) Vinyl Acetate	6.26	43	935857	262.40	ug/l	100
24) 1,1-Dichloroethane	6.22	63	216523	55.53	ug/l	99
25) 2-Butanone	7.18	43	142372	248.33	ug/l	99
26) 2,2-Dichloropropane	7.17	77	130223	47.35	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	145782	55.34	ug/l	99
28) Bromochloromethane	7.51	49	83385	55.39	ug/l	98
29) Tetrahydrofuran	7.54	42	91778	260.44	ug/l	98
30) Chloroform	7.68	83	235947	55.54	ug/l	99
31) Cyclohexane	7.96	56	187262	48.22	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203762	53.17	ug/l	99
36) 1,1-Dichloropropene	8.09	75	182827	53.03	ug/l	100
37) Ethyl Acetate	7.26	43	65483	51.13	ug/l	99
38) Carbon Tetrachloride	8.07	117	193202	51.12	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230921	50.39	ug/l	98
40) Benzene	8.32	78	511873	54.13	ug/l	99
41) Methacrylonitrile	7.49	41	38274	49.57	ug/l	92
42) 1,2-Dichloroethane	8.40	62	152454	54.87	ug/l	100
43) Isopropyl Acetate	8.43	43	131933	50.38	ug/l	99
44) Trichloroethene	9.09	130	156230	53.85	ug/l	100
45) 1,2-Dichloropropane	9.37	63	121710	53.79	ug/l	99
46) Dibromomethane	9.46	93	70346	54.54	ug/l	99
47) Bromodichloromethane	9.65	83	167122	53.45	ug/l	99
48) Methyl methacrylate	9.44	41	64770	52.18	ug/l	96
49) 1,4-Dioxane	9.48	88	21792	1097.58	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	336614	256.54	ug/l	98
52) Toluene	10.39	92	342462	54.02	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	159394	51.16	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	187306	52.39	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97097	53.80	ug/l	98
56) Ethyl methacrylate	10.65	69	119557	54.04	ug/l	97
57) 1,3-Dichloropropane	10.94	76	161812	54.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	207384	245.30	ug/l	98
59) 2-Hexanone	10.98	43	232399	248.12	ug/l	98
60) Dibromochloromethane	11.13	129	119361	53.10	ug/l	99
61) 1,2-Dibromoethane	11.24	107	97916	54.30	ug/l	100
64) Tetrachloroethene	10.87	164	146753	54.79	ug/l	99
65) Chlorobenzene	11.66	112	396283	53.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	140040	53.35	ug/l	99
67) Ethyl Benzene	11.74	91	689938	53.90	ug/l	99
68) m/p-Xylenes	11.85	106	543718	107.46	ug/l	99
69) o-Xylene	12.17	106	259447	53.80	ug/l	100
70) Styrene	12.18	104	428730	54.68	ug/l	100
71) Bromoform	12.35	173	74043	50.57	ug/l #	99
73) Isopropylbenzene	12.47	105	725982	52.78	ug/l	100
74) N-amyl acetate	12.28	43	135650	50.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	110689	52.91	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	88374m	59.43	ug/l	
77) Bromobenzene	12.75	156	181835	53.97	ug/l	99
78) n-propylbenzene	12.81	91	845388	52.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	479763	53.36	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	615730	53.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28069	45.12	ug/l	95
82) 4-Chlorotoluene	12.99	91	507167	53.85	ug/l	100
83) tert-Butylbenzene	13.21	119	551973	53.20	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	631114	53.79	ug/l	99
85) sec-Butylbenzene	13.39	105	771495	52.64	ug/l	100
86) p-Isopropyltoluene	13.51	119	701672	52.93	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	362150	54.01	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	356975	53.47	ug/l	99
89) n-Butylbenzene	13.83	91	633173	52.22	ug/l	100
90) Hexachloroethane	14.10	117	112382	50.05	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	322005	53.84	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18388	49.09	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	243841	52.99	ug/l	99
94) Hexachlorobutadiene	15.24	225	152107	52.62	ug/l	99
95) Naphthalene	15.38	128	409174	53.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	213002	53.51	ug/l	99

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

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