

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006041.D
 Acq On : 12 Oct 2018 11:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/15/2018 10:03:17 AM

Quant Time: Oct 15 08:39:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	411366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125918	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	7.89	113	130325	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.33	98	512636	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	192131	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	80602	56.83	ug/l	99
3) Chloromethane	2.22	50	89114	53.41	ug/l	98
4) Vinyl Chloride	2.37	62	141565	53.45	ug/l	95
5) Bromomethane	2.79	94	113609	54.35	ug/l	100
6) Chloroethane	2.93	64	90725	53.76	ug/l	96
7) Trichlorofluoromethane	3.26	101	127620	60.70	ug/l	98
8) Diethyl Ether	3.68	74	59310	45.84	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	135431	51.04	ug/l	99
10) Methyl Iodide	4.27	142	220026	50.71	ug/l	100
11) Tert butyl alcohol	5.17	59	43845	212.92	ug/l	98
12) 1,1-Dichloroethene	4.04	96	125827	49.38	ug/l	94
13) Acrolein	3.89	56	45858	249.90	ug/l	95
14) Allyl chloride	4.67	41	180254	41.48	ug/l	96
15) Acrylonitrile	5.37	53	117641	208.91	ug/l	99
16) Acetone	4.12	43	128074	228.20	ug/l	99
17) Carbon Disulfide	4.38	76	364947	47.38	ug/l	100
18) Methyl Acetate	4.67	43	61074	43.12	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	177778	44.85	ug/l	97
20) Methylene Chloride	4.92	84	126889	45.13	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	135454	48.78	ug/l	96
22) Diisopropyl ether	6.31	45	357382	44.00	ug/l	98
23) Vinyl Acetate	6.26	43	1015397	203.11	ug/l	97
24) 1,1-Dichloroethane	6.22	63	228930	46.06	ug/l	99
25) 2-Butanone	7.18	43	162684	203.80	ug/l	97
26) 2,2-Dichloropropane	7.17	77	167762	47.96	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	151119	48.12	ug/l	97
28) Bromochloromethane	7.51	49	90313	49.22	ug/l	89
29) Tetrahydrofuran	7.53	42	99646	197.47	ug/l	96
30) Chloroform	7.68	83	245847	48.15	ug/l	98
31) Cyclohexane	7.96	56	216117	43.93	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	222065	48.84	ug/l	100
36) 1,1-Dichloropropene	8.09	75	196320	49.81	ug/l	99
37) Ethyl Acetate	7.26	43	68759	41.19	ug/l	98
38) Carbon Tetrachloride	8.07	117	216231	51.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	265495	51.07	ug/l	96
40) Benzene	8.33	78	540987	50.15	ug/l	99
41) Methacrylonitrile	7.49	41	42137	40.32	ug/l	97
42) 1,2-Dichloroethane	8.40	62	155373	47.67	ug/l	100
43) Isopropyl Acetate	8.43	43	142515	40.87	ug/l	97
44) Trichloroethene	9.10	130	164868	52.67	ug/l	98
45) 1,2-Dichloropropane	9.37	63	129001	47.77	ug/l	100
46) Dibromomethane	9.46	93	71003	47.84	ug/l	97
47) Bromodichloromethane	9.65	83	179257	48.00	ug/l	97
48) Methyl methacrylate	9.44	41	69106	41.60	ug/l	96
49) 1,4-Dioxane	9.45	88	23778	1054.74	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	354767	208.94	ug/l	97
52) Toluene	10.39	92	365992	51.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	181801	46.58	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	208320	47.48	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	100651	48.96	ug/l	97
56) Ethyl methacrylate	10.65	69	124044	44.77	ug/l	94
57) 1,3-Dichloropropane	10.94	76	166208	48.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	239534	212.47	ug/l	98
59) 2-Hexanone	10.97	43	255330	209.72	ug/l	97
60) Dibromochloromethane	11.13	129	128634	48.49	ug/l	99
61) 1,2-Dibromoethane	11.24	107	99228	48.31	ug/l	100
64) Tetrachloroethene	10.87	164	147877	53.18	ug/l	99
65) Chlorobenzene	11.66	112	418769	52.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	151961	51.85	ug/l	99
67) Ethyl Benzene	11.74	91	738360	52.28	ug/l	98
68) m/p-Xylenes	11.84	106	583452	105.71	ug/l	99
69) o-Xylene	12.17	106	276337	52.30	ug/l	99
70) Styrene	12.19	104	458318	52.28	ug/l	99
71) Bromoform	12.35	173	82138	47.05	ug/l #	99
73) Isopropylbenzene	12.47	105	797650	50.65	ug/l	100
74) N-amyl acetate	12.28	43	146838	39.26	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	114790	44.47	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	77674m	40.32	ug/l	
77) Bromobenzene	12.75	156	187985	50.38	ug/l	95
78) n-propylbenzene	12.81	91	939370	50.70	ug/l	100
79) 2-Chlorotoluene	12.90	91	522539	49.96	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	675212	50.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	35534	38.94	ug/l	96
82) 4-Chlorotoluene	12.99	91	552766	50.24	ug/l	98
83) tert-Butylbenzene	13.21	119	611850	51.74	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	686083	51.15	ug/l	99
85) sec-Butylbenzene	13.39	105	862773	51.97	ug/l	99
86) p-Isopropyltoluene	13.51	119	784285	52.54	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	385557	52.01	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380632	51.67	ug/l	99
89) n-Butylbenzene	13.83	91	722940	51.38	ug/l	99
90) Hexachloroethane	14.10	117	135322	48.20	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	340941	51.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20261	42.12	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	256180	50.20	ug/l	100
94) Hexachlorobutadiene	15.24	225	166735	52.35	ug/l	100
95) Naphthalene	15.38	128	409818	46.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	219399	49.65	ug/l	100

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

