

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004736.D
 Acq On : 17 Aug 2018 16:20
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:42 AM

Quant Time: Aug 18 01:32:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	695311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1057243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1001531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	539492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	64683	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
35) Dibromofluoromethane	7.88	113	65161	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	10.33	98	248698	9.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.86%	
62) 4-Bromofluorobenzene	12.62	95	88693	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47530	10.32	ug/l	99
3) Chloromethane	2.21	50	61074	10.14	ug/l	97
4) Vinyl Chloride	2.37	62	92575	10.44	ug/l	94
5) Bromomethane	2.78	94	57009	10.41	ug/l	98
6) Chloroethane	2.92	64	52574	9.83	ug/l	99
7) Trichlorofluoromethane	3.25	101	42677	10.22	ug/l	97
8) Diethyl Ether	3.68	74	39476	10.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75131	10.45	ug/l	99
10) Methyl Iodide	4.26	142	110631	10.13	ug/l	100
11) Tert butyl alcohol	5.22	59	18453	48.75	ug/l	100
12) 1,1-Dichloroethene	4.03	96	74710	10.43	ug/l	99
13) Acrolein	3.89	56	25959	51.51	ug/l	97
14) Allyl chloride	4.67	41	107806	9.91	ug/l	100
15) Acrylonitrile	5.37	53	79890	50.46	ug/l	99
16) Acetone	4.14	43	93220	54.32	ug/l	95
17) Carbon Disulfide	4.37	76	240880	10.23	ug/l	99
18) Methyl Acetate	4.68	43	36775	10.00	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	91467	9.83	ug/l	96
20) Methylene Chloride	4.91	84	107952	11.53	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	78205	10.26	ug/l	97
22) Diisopropyl ether	6.31	45	210070	10.05	ug/l	96
23) Vinyl Acetate	6.26	43	561312	47.48	ug/l	99
24) 1,1-Dichloroethane	6.21	63	140340	10.33	ug/l	99
25) 2-Butanone	7.18	43	122926	50.28	ug/l	98
26) 2,2-Dichloropropane	7.17	77	84650	10.79	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	82843	10.09	ug/l	98
28) Bromochloromethane	7.51	49	57354	10.03	ug/l	99
29) Tetrahydrofuran	7.54	42	60560	48.57	ug/l	98
30) Chloroform	7.68	83	139801	10.47	ug/l	100
31) Cyclohexane	7.96	56	135631	10.32	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	109725	10.36	ug/l	100
36) 1,1-Dichloropropene	8.09	75	110568	10.15	ug/l	100
37) Ethyl Acetate	7.26	43	44466	10.24	ug/l	99
38) Carbon Tetrachloride	8.07	117	102086	10.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	130877	9.61	ug/l	100
40) Benzene	8.32	78	324619	10.26	ug/l	99
41) Methacrylonitrile	7.49	41	22651	9.19	ug/l	91
42) 1,2-Dichloroethane	8.40	62	83053	10.23	ug/l	100
43) Isopropyl Acetate	8.43	43	73100	9.37	ug/l	98
44) Trichloroethene	9.09	130	81176	10.10	ug/l	99
45) 1,2-Dichloropropane	9.37	63	78307	10.11	ug/l	100
46) Dibromomethane	9.46	93	40175	10.47	ug/l	98
47) Bromodichloromethane	9.65	83	91196	9.96	ug/l	99
48) Methyl methacrylate	9.44	41	34461	9.42	ug/l	99
49) 1,4-Dioxane	9.48	88	10801	192.74	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	256737	48.71	ug/l	99
52) Toluene	10.39	92	195264	10.29	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	90484	9.80	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	107743	9.79	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55934	10.26	ug/l	97
56) Ethyl methacrylate	10.65	69	58605	9.10	ug/l	99
57) 1,3-Dichloropropane	10.94	76	96348	10.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	144155	47.87	ug/l	99
59) 2-Hexanone	10.98	43	171711	48.08	ug/l	98
60) Dibromochloromethane	11.13	129	61508	10.05	ug/l	98
61) 1,2-Dibromoethane	11.24	107	53504	10.27	ug/l	99
64) Tetrachloroethene	10.87	164	70019	10.23	ug/l	98
65) Chlorobenzene	11.66	112	219897	10.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	72945	10.02	ug/l	98
67) Ethyl Benzene	11.74	91	358914	9.82	ug/l	100
68) m/p-Xylenes	11.85	106	280593	19.74	ug/l	99
69) o-Xylene	12.17	106	125856	9.56	ug/l	99
70) Styrene	12.19	104	211784	9.58	ug/l	100
71) Bromoform	12.35	173	38252	9.96	ug/l #	98
73) Isopropylbenzene	12.47	105	352671	9.61	ug/l	100
74) N-amyl acetate	12.28	43	69551	9.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	69131	10.17	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54188m	6.78	ug/l	
77) Bromobenzene	12.75	156	88569	9.97	ug/l	99
78) n-propylbenzene	12.81	91	432383	9.65	ug/l	100
79) 2-Chlorotoluene	12.90	91	255080	9.88	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	306123	9.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18669	9.12	ug/l	93
82) 4-Chlorotoluene	12.99	91	277213	10.11	ug/l	100
83) tert-Butylbenzene	13.21	119	251336	9.42	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	312777	9.75	ug/l	99
85) sec-Butylbenzene	13.39	105	389243	9.78	ug/l	99
86) p-Isopropyltoluene	13.51	119	336127	9.70	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	182843	10.12	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	186243	10.31	ug/l	98
89) n-Butylbenzene	13.83	91	319679	9.54	ug/l	99
90) Hexachloroethane	14.10	117	61514	9.74	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	164314	10.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10280	9.67	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	109601	9.55	ug/l	98
94) Hexachlorobutadiene	15.25	225	71521	10.15	ug/l	99
95) Naphthalene	15.38	128	175690	8.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	98346	9.66	ug/l	100

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

