

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091618\
 Data File : VW005400.D
 Acq On : 14 Sep 2018 22:50
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/17/2018 2:23:44 PM

Quant Time: Sep 15 02:27:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	205414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	12309	7.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.22%	
35) Dibromofluoromethane	7.90	113	9593	5.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.62%	
50) Toluene-d8	10.33	98	41563	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
62) 4-Bromofluorobenzene	12.62	95	15097	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	11444	6.35	ug/l	99
3) Chloromethane	2.21	50	13719	5.77	ug/l	97
4) Vinyl Chloride	2.36	62	12597	5.75	ug/l	97
5) Bromomethane	2.78	94	11563	7.73	ug/l	91
6) Chloroethane	2.92	64	7536	6.15	ug/l	92
7) Trichlorofluoromethane	3.27	101	17116	6.70	ug/l	96
8) Diethyl Ether	3.69	74	4888	5.54	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	10072	5.73	ug/l	99
10) Methyl Iodide	4.28	142	4977	2.56	ug/l	97
11) Tert butyl alcohol	5.23	59	5348m	42.03	ug/l	
12) 1,1-Dichloroethene	4.04	96	8792	5.45	ug/l	99
13) Acrolein	3.92	56	2997	25.64	ug/l	86
14) Allyl chloride	4.68	41	15495	6.03	ug/l	100
15) Acrylonitrile	5.38	53	10656	26.76	ug/l	97
16) Acetone	4.16	43	11348	38.90	ug/l	94
17) Carbon Disulfide	4.39	76	30862	5.46	ug/l	99
18) Methyl Acetate	4.69	43	5934	6.74	ug/l	99
19) Methyl tert-butyl Ether	5.44	73	21275	5.38	ug/l	96
20) Methylene Chloride	4.93	84	19274	7.93	ug/l	94
21) trans-1,2-Dichloroethene	5.44	96	10374	5.48	ug/l	92
22) Diisopropyl ether	6.32	45	27083	5.23	ug/l	92
23) Vinyl Acetate	6.27	43	79091	27.30	ug/l	98
24) 1,1-Dichloroethane	6.23	63	18822	5.94	ug/l	98
25) 2-Butanone	7.19	43	13952	30.27	ug/l	94
26) 2,2-Dichloropropane	7.18	77	18520	6.73	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	11150	5.48	ug/l	94
28) Bromochloromethane	7.52	49	8242	7.07	ug/l #	97
29) Tetrahydrofuran	7.55	42	8618	28.05	ug/l	98
30) Chloroform	7.68	83	20439	6.42	ug/l	93
31) Cyclohexane	7.96	56	20049	6.11	ug/l #	80
32) 1,1,1-Trichloroethane	7.88	97	18626	6.43	ug/l	99
36) 1,1-Dichloropropene	8.09	75	15229	5.26	ug/l	98
37) Ethyl Acetate	7.27	43	6475	5.79	ug/l	97
38) Carbon Tetrachloride	8.07	117	16842	6.10	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	16819	4.47	ug/l	97
40) Benzene	8.33	78	45151	5.32	ug/l	94
41) Methacrylonitrile	7.49	41	3401	5.83	ug/l	90
42) 1,2-Dichloroethane	8.41	62	14762	6.90	ug/l	98
43) Isopropyl Acetate	8.44	43	12039	5.76	ug/l	96
44) Trichloroethene	9.10	130	11289	4.90	ug/l	87
45) 1,2-Dichloropropane	9.37	63	10795	5.30	ug/l	98
46) Dibromomethane	9.46	93	5239	5.21	ug/l	92
47) Bromodichloromethane	9.65	83	14287	5.72	ug/l	94
48) Methyl methacrylate	9.45	41	5717	5.31	ug/l	95
49) 1,4-Dioxane	9.48	88	1727	94.60	ug/l #	98
51) 4-Methyl-2-Pentanone	10.22	43	29589	25.50	ug/l	98
52) Toluene	10.40	92	29166	4.76	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	13279	4.99	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	15106	4.79	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8412	5.34	ug/l	93
56) Ethyl methacrylate	10.65	69	8546	4.26	ug/l	95
57) 1,3-Dichloropropane	10.94	76	13114	4.96	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	19508	22.28	ug/l	98
59) 2-Hexanone	10.98	43	19676	23.62	ug/l	97
60) Dibromochloromethane	11.13	129	9533	5.37	ug/l	97
61) 1,2-Dibromoethane	11.24	107	7048	4.88	ug/l	97
64) Tetrachloroethene	10.87	164	11563	5.05	ug/l	96
65) Chlorobenzene	11.66	112	34180	5.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	10901	5.36	ug/l	97
67) Ethyl Benzene	11.74	91	55849	4.75	ug/l	99
68) m/p-Xylenes	11.85	106	42721	9.07	ug/l	98
69) o-Xylene	12.18	106	19823	4.53	ug/l	97
70) Styrene	12.19	104	30901	4.32	ug/l	99
71) Bromoform	12.35	173	5569	5.07	ug/l #	99
73) Isopropylbenzene	12.47	105	52838	4.58	ug/l	99
74) N-amyl acetate	12.28	43	11013	4.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	8612	4.99	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	6748m	5.35	ug/l	
77) Bromobenzene	12.75	156	14051	5.15	ug/l	95
78) n-propylbenzene	12.81	91	63980	4.58	ug/l	99
79) 2-Chlorotoluene	12.90	91	39352	4.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	45098	4.54	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	2483	4.65	ug/l	96
82) 4-Chlorotoluene	12.99	91	41465	4.91	ug/l	99
83) tert-Butylbenzene	13.21	119	37860	4.39	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	45883	4.57	ug/l	99
85) sec-Butylbenzene	13.39	105	56027	4.53	ug/l	99
86) p-Isopropyltoluene	13.51	119	48169	4.39	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	28906	5.08	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	28683	5.10	ug/l	91
89) n-Butylbenzene	13.83	91	46650	4.52	ug/l	99
90) Hexachloroethane	14.10	117	9220	5.19	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	25132	4.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1695	5.78	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15380	4.35	ug/l	98
94) Hexachlorobutadiene	15.25	225	10591	4.67	ug/l	95
95) Naphthalene	15.38	128	23201	4.05	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	13586	4.47	ug/l	98

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

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