

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122618\
 Data File : VW007908.D
 Acq On : 25 Dec 2018 00:56
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 12/27/2018 11:17:19 AM

Quant Time: Dec 25 04:04:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 25 03:37:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	118328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	68469	80.27	ug/l	0.00
Spiked Amount			Recovery	=	160.54%	
35) Dibromofluoromethane	7.88	113	59583	75.31	ug/l	0.00
Spiked Amount			Recovery	=	150.62%	
50) Toluene-d8	10.32	98	231213	77.32	ug/l	0.00
Spiked Amount			Recovery	=	154.64%	
62) 4-Bromofluorobenzene	12.62	95	88562	76.69	ug/l	0.00
Spiked Amount			Recovery	=	153.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	42959m	64.603	ug/l	
3) Chloromethane	2.22	50	37736	86.409	ug/l	96
4) Vinyl Chloride	2.37	62	45246	82.020	ug/l	99
5) Bromomethane	2.78	94	29478	77.402	ug/l	99
6) Chloroethane	2.93	64	24946	84.063	ug/l	99
7) Trichlorofluoromethane	3.26	101	35086	64.930	ug/l	98
8) Diethyl Ether	3.68	74	28658	83.423	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55446	68.626	ug/l	99
10) Methyl Iodide	4.27	142	90176	69.927	ug/l	100
11) Tert butyl alcohol	5.17	59	22351	384.595	ug/l	99
12) 1,1-Dichloroethene	4.04	96	52685	70.131	ug/l	99
13) Acrolein	3.89	56	12239	279.136	ug/l	97
14) Allyl chloride	4.67	41	82183	80.885	ug/l	99
15) Acrylonitrile	5.37	53	61044	409.455	ug/l	99
16) Acetone	4.12	43	54043	347.459	ug/l	99
17) Carbon Disulfide	4.38	76	152850	66.514	ug/l	99
18) Methyl Acetate	4.67	43	36493	92.533	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	93722	83.756	ug/l	99
20) Methylene Chloride	4.91	84	58802	60.689	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58946	71.093	ug/l	95
22) Diisopropyl ether	6.31	45	160665	83.991	ug/l	99
23) Vinyl Acetate	6.26	43	458681	407.822	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104365	75.567	ug/l	99
25) 2-Butanone	7.17	43	74465	394.447	ug/l	99
26) 2,2-Dichloropropane	7.16	77	66674	67.224	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65510	73.591	ug/l	99
28) Bromochloromethane	7.51	49	37494	79.074	ug/l #	95
29) Tetrahydrofuran	7.52	42	48926	428.946	ug/l	100
30) Chloroform	7.68	83	113375	73.349	ug/l	99
31) Cyclohexane	7.95	56	87752	69.804	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	97899	70.132	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84559	68.334	ug/l	99
37) Ethyl Acetate	7.26	43	34357	78.239	ug/l	98
38) Carbon Tetrachloride	8.07	117	90515	63.178	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103269	67.072	ug/l	99
40) Benzene	8.32	78	236948	71.104	ug/l	99
41) Methacrylonitrile	7.48	41	22551	87.684	ug/l	97
42) 1,2-Dichloroethane	8.40	62	78387	70.438	ug/l	99
43) Isopropyl Acetate	8.43	43	70788	80.331	ug/l	99
44) Trichloroethene	9.09	130	66523	66.754	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56764	76.041	ug/l	96
46) Dibromomethane	9.46	93	32718	72.268	ug/l	98
47) Bromodichloromethane	9.65	83	83542	70.269	ug/l	97
48) Methyl methacrylate	9.44	41	36129	81.877	ug/l	97
49) 1,4-Dioxane	9.44	88	11204	1545.991	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	171024	408.125	ug/l	99
52) Toluene	10.39	92	155889	69.939	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	86013	72.261	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95652	72.751	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46481	73.708	ug/l	97
56) Ethyl methacrylate	10.65	69	59237	79.261	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79600	75.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	134194	390.178	ug/l	99
59) 2-Hexanone	10.97	43	117985	401.973	ug/l	99
60) Dibromochloromethane	11.13	129	56380	68.668	ug/l	99
61) 1,2-Dibromoethane	11.24	107	45972	72.136	ug/l	99
64) Tetrachloroethene	10.87	164	57789	68.856	ug/l	98
65) Chlorobenzene	11.66	112	176547	68.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62719	68.732	ug/l	99
67) Ethyl Benzene	11.73	91	309772	70.054	ug/l	99
68) m/p-Xylenes	11.84	106	236752	138.590	ug/l	99
69) o-Xylene	12.17	106	112198	69.914	ug/l	100
70) Styrene	12.18	104	189960	71.951	ug/l	99
71) Bromoform	12.35	173	30847	66.289	ug/l #	97
73) Isopropylbenzene	12.47	105	313456	71.684	ug/l	99
74) N-amyl acetate	12.27	43	65591	83.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	50731	76.353	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40632m	89.028	ug/l	
77) Bromobenzene	12.75	156	70287	70.284	ug/l	100
78) n-propylbenzene	12.81	91	366158	71.891	ug/l	100
79) 2-Chlorotoluene	12.90	91	216540	72.613	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	270793	71.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15904	74.910	ug/l	98
82) 4-Chlorotoluene	12.99	91	228916	72.429	ug/l	99
83) tert-Butylbenzene	13.21	119	237682	71.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	276921	72.712	ug/l	98
85) sec-Butylbenzene	13.39	105	324308	71.192	ug/l	100
86) p-Isopropyltoluene	13.51	119	292714	70.802	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	139097	69.941	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	138887	70.051	ug/l	99
89) n-Butylbenzene	13.83	91	266498	70.257	ug/l	99
90) Hexachloroethane	14.10	117	47610	66.475	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	126474	71.080	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9922	73.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	84866	69.049	ug/l	99
94) Hexachlorobutadiene	15.24	225	44087	67.252	ug/l	98
95) Naphthalene	15.38	128	180557	78.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	75864	71.766	ug/l	99

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

