

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008395.D
 Acq On : 24 Jan 2019 13:44
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 25 10:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	654660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1036009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	920499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	461547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	31457	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	
35) Dibromofluoromethane	7.88	113	29562	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
50) Toluene-d8	10.32	98	117015	4.50	ug/l	0.00
Spiked Amount			Recovery	=	9.00%	
62) 4-Bromofluorobenzene	12.62	95	47302	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21988	5.330	ug/l	88
3) Chloromethane	2.21	50	31833	5.264	ug/l	99
4) Vinyl Chloride	2.36	62	40270	5.212	ug/l	95
5) Bromomethane	2.78	94	23650	4.039	ug/l	89
6) Chloroethane	2.92	64	22049	4.360	ug/l	100
7) Trichlorofluoromethane	3.26	101	22882	4.034	ug/l	98
8) Diethyl Ether	3.68	74	19417	4.936	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33688	5.101	ug/l	97
10) Methyl Iodide	4.26	142	52070	4.888	ug/l	98
11) Tert butyl alcohol	5.17	59	16301	35.552	ug/l	99
12) 1,1-Dichloroethene	4.03	96	35206	5.241	ug/l	98
13) Acrolein	3.89	56	9065	21.803	ug/l	89
14) Allyl chloride	4.66	41	64412	5.736	ug/l	96
15) Acrylonitrile	5.36	53	37800	25.015	ug/l	98
16) Acetone	4.12	43	43510	27.511	ug/l	96
17) Carbon Disulfide	4.37	76	110113	5.387	ug/l	97
18) Methyl Acetate	4.67	43	25894	6.129	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	58879	5.726	ug/l	99
20) Methylene Chloride	4.91	84	45012	5.360	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	38541	5.108	ug/l	99
22) Diisopropyl ether	6.31	45	117281	5.349	ug/l	95
23) Vinyl Acetate	6.25	43	321817	27.460	ug/l	98
24) 1,1-Dichloroethane	6.21	63	67050	5.023	ug/l	98
25) 2-Butanone	7.17	43	54308	26.811	ug/l	95
26) 2,2-Dichloropropane	7.17	77	47860	5.618	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	40807	4.992	ug/l	97
28) Bromochloromethane	7.51	49	26699	4.855	ug/l	100
29) Tetrahydrofuran	7.52	42	34598	27.398	ug/l	95
30) Chloroform	7.67	83	65561	4.964	ug/l	91
31) Cyclohexane	7.95	56	79497	6.250	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	62289	5.619	ug/l	93
36) 1,1-Dichloropropene	8.08	75	53961	5.177	ug/l	99
37) Ethyl Acetate	7.26	43	21574	5.019	ug/l #	93
38) Carbon Tetrachloride	8.06	117	55062	5.350	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	72564	5.853	ug/l	96
40) Benzene	8.32	78	151650	5.136	ug/l	98
41) Methacrylonitrile	7.48	41	15096	6.033	ug/l	98
42) 1,2-Dichloroethane	8.40	62	43820	5.308	ug/l	97
43) Isopropyl Acetate	8.43	43	50986	6.280	ug/l	97
44) Trichloroethene	9.09	130	40155	4.964	ug/l	99
45) 1,2-Dichloropropane	9.37	63	37747	5.147	ug/l	98
46) Dibromomethane	9.46	93	18353	4.801	ug/l	97
47) Bromodichloromethane	9.64	83	51639	5.477	ug/l	99
48) Methyl methacrylate	9.43	41	23223	6.076	ug/l	96
49) 1,4-Dioxane	9.45	88	6810	110.671	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	126675	30.812	ug/l	100
52) Toluene	10.38	92	97671	5.227	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	52084	5.535	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	61481	5.542	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	27225	5.135	ug/l	97
56) Ethyl methacrylate	10.65	69	37222	5.978	ug/l	97
57) 1,3-Dichloropropane	10.93	76	46542	5.056	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	75489	25.135	ug/l	100
59) 2-Hexanone	10.97	43	85459	29.668	ug/l	99
60) Dibromochloromethane	11.13	129	32722	5.171	ug/l	100
61) 1,2-Dibromoethane	11.24	107	26232	5.110	ug/l	100
64) Tetrachloroethene	10.86	164	35214	5.456	ug/l	96
65) Chlorobenzene	11.66	112	101743	5.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36572	5.292	ug/l	98
67) Ethyl Benzene	11.73	91	190700	5.470	ug/l	97
68) m/p-Xylenes	11.84	106	143675	10.618	ug/l	99
69) o-Xylene	12.17	106	67475	5.337	ug/l	99
70) Styrene	12.18	104	111523	5.492	ug/l	99
71) Bromoform	12.35	173	20203	5.869	ug/l #	99
73) Isopropylbenzene	12.47	105	188311	5.600	ug/l	99
74) N-amyl acetate	12.27	43	47504	6.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	29612	5.177	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43422	10.331	ug/l	20
77) Bromobenzene	12.75	156	41054	5.082	ug/l	99
78) n-propylbenzene	12.80	91	226544	5.566	ug/l	100
79) 2-Chlorotoluene	12.90	91	126690	5.447	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	157058	5.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11006	6.249	ug/l	93
82) 4-Chlorotoluene	12.99	91	134805	5.547	ug/l	98
83) tert-Butylbenzene	13.21	119	141896	5.745	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	159101	5.565	ug/l	99
85) sec-Butylbenzene	13.39	105	197227	5.561	ug/l	98
86) p-Isopropyltoluene	13.50	119	172866	5.581	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	81366	5.070	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	82387	5.124	ug/l	95
89) n-Butylbenzene	13.83	91	170521	5.739	ug/l	99
90) Hexachloroethane	14.10	117	35811	6.247	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	72592	5.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5538	5.921	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	49844	5.196	ug/l	97
94) Hexachlorobutadiene	15.24	225	31962	5.912	ug/l	99
95) Naphthalene	15.38	128	87482	5.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	43036	5.151	ug/l	98

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

