

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064582.D
 Acq On : 24 Dec 2019 10:51
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:13:46 AM

Quant Time: Dec 24 13:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	630837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	554381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	37916	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
35) Dibromofluoromethane	7.92	113	39297	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	
50) Toluene-d8	10.34	98	147096	9.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.52%	
62) 4-Bromofluorobenzene	12.64	95	47091	9.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36659	9.541	ug/l	97
3) Chloromethane	2.21	50	52431	10.674	ug/l	94
4) Vinyl Chloride	2.35	62	61836	10.899	ug/l	95
5) Bromomethane	2.77	94	43765	10.413	ug/l	100
6) Chloroethane	2.92	64	41424	10.833	ug/l	92
7) Trichlorofluoromethane	3.27	101	105589	11.127	ug/l	97
8) Diethyl Ether	3.70	74	20941	10.713	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	43244	10.653	ug/l	98
10) Methyl Iodide	4.30	142	37726	8.853	ug/l	96
11) Tert butyl alcohol	5.25	59	11784m	48.158	ug/l	
12) 1,1-Dichloroethene	4.06	96	41554	10.723	ug/l	99
13) Acrolein	3.93	56	16049	47.587	ug/l	95
14) Allyl chloride	4.71	41	63437	10.512	ug/l	99
15) Acrylonitrile	5.43	53	42737	50.132	ug/l	98
16) Acetone	4.17	43	40994	52.608	ug/l	98
17) Carbon Disulfide	4.40	76	134045	10.946	ug/l	99
18) Methyl Acetate	4.72	43	23758	10.419	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	86944	9.839	ug/l	98
20) Methylene Chloride	4.97	84	51292	11.375	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	45526	10.412	ug/l	98
22) Diisopropyl ether	6.36	45	123146	10.309	ug/l	92
23) Vinyl Acetate	6.31	43	335050	47.781	ug/l	99
24) 1,1-Dichloroethane	6.27	63	74694	10.425	ug/l	97
25) 2-Butanone	7.23	43	55571	50.338	ug/l	97
26) 2,2-Dichloropropane	7.21	77	69952	11.089	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	47680	9.996	ug/l	96
28) Bromochloromethane	7.55	49	26592	10.560	ug/l	93
29) Tetrahydrofuran	7.57	42	33539	47.617	ug/l	97
30) Chloroform	7.71	83	79310	10.674	ug/l	99
31) Cyclohexane	7.98	56	78203	11.070	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	74410	10.762	ug/l	99
36) 1,1-Dichloropropene	8.11	75	62548	10.407	ug/l	96
37) Ethyl Acetate	7.30	43	25127	9.960	ug/l #	93
38) Carbon Tetrachloride	8.10	117	67561	10.669	ug/l	94

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

39) Methylcyclohexane	9.36	83	74821	10.100	ug/l #	92
40) Benzene	8.36	78	171602	10.368	ug/l	100
41) Methacrylonitrile	7.53	41	13637	9.555	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	49754	10.298	ug/l	100
43) Isopropyl Acetate	8.46	43	49084	9.927	ug/l	99
44) Trichloroethene	9.11	130	50831	10.194	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41514	10.517	ug/l	94
46) Dibromomethane	9.48	93	23070	10.320	ug/l	96
47) Bromodichloromethane	9.66	83	60489	10.514	ug/l	95
48) Methyl methacrylate	9.46	41	22996	10.023	ug/l	95
49) 1,4-Dioxane	9.47	88	5628	205.127	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	120328	49.141	ug/l	100
52) Toluene	10.40	92	110902	10.232	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	55622	10.166	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	66422	10.217	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	32277	10.569	ug/l	92
56) Ethyl methacrylate	10.67	69	38288	9.873	ug/l	96
57) 1,3-Dichloropropane	10.95	76	54190	10.406	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	72430	47.093	ug/l	97
59) 2-Hexanone	10.98	43	79451	46.761	ug/l	98
60) Dibromochloromethane	11.14	129	42449	10.229	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30559	10.032	ug/l	99
64) Tetrachloroethene	10.88	164	44122	10.441	ug/l	95
65) Chlorobenzene	11.67	112	119569	10.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	43847	10.222	ug/l	99
67) Ethyl Benzene	11.75	91	210527	10.173	ug/l	99
68) m/p-Xylenes	11.85	106	161970	20.469	ug/l	99
69) o-Xylene	12.18	106	72531	9.974	ug/l	99
70) Styrene	12.20	104	127319	10.054	ug/l	99
71) Bromoform	12.37	173	24993	9.761	ug/l #	100
73) Isopropylbenzene	12.48	105	197574	10.149	ug/l	100
74) N-amyl acetate	12.29	43	42385	9.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	32648	10.263	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	23556m	10.829	ug/l	
77) Bromobenzene	12.77	156	50445	10.541	ug/l	98
78) n-propylbenzene	12.83	91	235164	10.463	ug/l	100
79) 2-Chlorotoluene	12.91	91	129317	10.476	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	163404	10.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10238	10.062	ug/l	100
82) 4-Chlorotoluene	13.01	91	135714	10.366	ug/l	100
83) tert-Butylbenzene	13.23	119	139140	10.055	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	161062	10.071	ug/l	98
85) sec-Butylbenzene	13.41	105	195619	10.315	ug/l	99
86) p-Isopropyltoluene	13.53	119	184056	10.236	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	92368	10.147	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	91006	10.121	ug/l	96
89) n-Butylbenzene	13.85	91	169712	10.429	ug/l	98
90) Hexachloroethane	14.13	117	35178	10.450	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	79966	10.306	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5465	10.194	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	59247	9.994	ug/l	96
94) Hexachlorobutadiene	15.28	225	38248	10.478	ug/l	98
95) Naphthalene	15.41	128	91227	9.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	51834	10.271	ug/l	100

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

