

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064583.D
 Acq On : 24 Dec 2019 11:18
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:13:53 AM

Quant Time: Dec 24 13:09:08 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	441229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	549114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68484	17.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.20%	
35) Dibromofluoromethane	7.92	113	71477	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	
50) Toluene-d8	10.34	98	265757	17.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.22%	
62) 4-Bromofluorobenzene	12.64	95	84107	17.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71027	18.030	ug/l	99
3) Chloromethane	2.21	50	97521	19.363	ug/l	98
4) Vinyl Chloride	2.35	62	116996	20.112	ug/l	100
5) Bromomethane	2.76	94	82125	19.058	ug/l	96
6) Chloroethane	2.92	64	79160	20.191	ug/l	98
7) Trichlorofluoromethane	3.27	101	197459	20.296	ug/l	96
8) Diethyl Ether	3.71	74	38296	19.107	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84479	20.297	ug/l	99
10) Methyl Iodide	4.29	142	86634	19.828	ug/l	99
11) Tert butyl alcohol	5.25	59	20866m	83.170	ug/l	
12) 1,1-Dichloroethene	4.06	96	77707	19.558	ug/l	98
13) Acrolein	3.93	56	28857	83.453	ug/l	96
14) Allyl chloride	4.71	41	122285	19.763	ug/l	99
15) Acrylonitrile	5.44	53	80512	92.113	ug/l	99
16) Acetone	4.17	43	79067	98.965	ug/l	97
17) Carbon Disulfide	4.40	76	251517	20.032	ug/l	98
18) Methyl Acetate	4.73	43	42358	18.119	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170679	18.838	ug/l	92
20) Methylene Chloride	4.96	84	92280	19.960	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	89515	19.968	ug/l	97
22) Diisopropyl ether	6.37	45	240850	19.664	ug/l	98
23) Vinyl Acetate	6.31	43	671949	93.463	ug/l	99
24) 1,1-Dichloroethane	6.27	63	147020	20.014	ug/l	97
25) 2-Butanone	7.22	43	104431	92.264	ug/l	97
26) 2,2-Dichloropropane	7.21	77	129978	20.096	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96900	19.814	ug/l	98
28) Bromochloromethane	7.55	49	51057	19.775	ug/l	98
29) Tetrahydrofuran	7.57	42	66522	92.114	ug/l	99
30) Chloroform	7.71	83	151733	19.918	ug/l	99
31) Cyclohexane	7.98	56	142814	19.717	ug/l	# 85
32) 1,1,1-Trichloroethane	7.91	97	143072	20.183	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123001	20.446	ug/l	100
37) Ethyl Acetate	7.30	43	47892	18.966	ug/l	98
38) Carbon Tetrachloride	8.10	117	128018	20.196	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150579	20.306	ug/l	95
40) Benzene	8.35	78	332195	20.050	ug/l	98
41) Methacrylonitrile	7.54	41	29890	20.923	ug/l	96
42) 1,2-Dichloroethane	8.43	62	97193	20.097	ug/l	100
43) Isopropyl Acetate	8.46	43	92512	18.691	ug/l	98
44) Trichloroethene	9.11	130	97342	19.503	ug/l	91
45) 1,2-Dichloropropane	9.39	63	78738	19.928	ug/l	95
46) Dibromomethane	9.48	93	44918	20.074	ug/l	99
47) Bromodichloromethane	9.67	83	117910	20.475	ug/l	97
48) Methyl methacrylate	9.46	41	41779	18.192	ug/l	88
49) 1,4-Dioxane	9.47	88	10759	391.757	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	233117	95.110	ug/l	99
52) Toluene	10.40	92	215271	19.841	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	110545	20.185	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	130186	20.006	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	58674	19.194	ug/l	93
56) Ethyl methacrylate	10.66	69	74640	19.229	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102612	19.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145388	94.438	ug/l	100
59) 2-Hexanone	10.99	43	158336	93.099	ug/l	99
60) Dibromochloromethane	11.14	129	80610	19.406	ug/l	98
61) 1,2-Dibromoethane	11.25	107	59265	19.436	ug/l	99
64) Tetrachloroethene	10.88	164	86139	20.580	ug/l	98
65) Chlorobenzene	11.67	112	231422	20.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	84860	19.974	ug/l	100
67) Ethyl Benzene	11.75	91	417492	20.367	ug/l	100
68) m/p-Xylenes	11.86	106	319539	40.770	ug/l	99
69) o-Xylene	12.18	106	143637	19.942	ug/l	99
70) Styrene	12.20	104	251630	20.062	ug/l	98
71) Bromoform	12.37	173	49310	19.443	ug/l #	99
73) Isopropylbenzene	12.48	105	392784	19.844	ug/l	99
74) N-amyl acetate	12.29	43	84275	18.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	62041	19.180	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39062m	17.662	ug/l	
77) Bromobenzene	12.77	156	97729	20.084	ug/l	99
78) n-propylbenzene	12.83	91	461669	20.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	250023	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	323400	19.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20318	19.640	ug/l	99
82) 4-Chlorotoluene	13.01	91	266721	20.037	ug/l	100
83) tert-Butylbenzene	13.23	119	280350	19.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	320005	19.679	ug/l	98
85) sec-Butylbenzene	13.41	105	381198	19.769	ug/l	100
86) p-Isopropyltoluene	13.53	119	361525	19.774	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180023	19.450	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178833	19.560	ug/l	98
89) n-Butylbenzene	13.85	91	333029	20.127	ug/l	100
90) Hexachloroethane	14.12	117	71629	20.926	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	156894	19.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9927	18.212	ug/l	95

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93) 1,2,4-Trichlorobenzene	15.17	180	114898	19.062	ug/l	99
94) Hexachlorobutadiene	15.28	225	72408	19.509	ug/l	98
95) Naphthalene	15.41	128	178925	17.886	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98619	19.219	ug/l	98

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

