

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064063.D
 Acq On : 25 Oct 2019 14:13
 Operator : VA/SY
 Sample : VD1025SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:22 PM

Quant Time: Oct 26 01:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	141481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	225002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	233589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	71077	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.92	113	73328	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.34	98	309259	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.64	95	105674	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20500	20.432	ug/l	98
3) Chloromethane	2.21	50	68668	22.968	ug/l	94
4) Vinyl Chloride	2.35	62	82409	25.413	ug/l	97
5) Bromomethane	2.76	94	51389	24.649	ug/l	90
6) Chloroethane	2.93	64	56542	26.365	ug/l	93
7) Trichlorofluoromethane	3.27	101	117399	27.382	ug/l	91
8) Diethyl Ether	3.71	74	13988	20.326	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27475	23.150	ug/l	92
10) Methyl Iodide	4.30	142	26709	16.332	ug/l	96
11) Tert butyl alcohol	5.26	59	8407m	82.480	ug/l	
12) 1,1-Dichloroethene	4.06	96	24559	20.712	ug/l #	76
13) Acrolein	3.93	56	9164	74.490	ug/l	95
14) Allyl chloride	4.71	41	45377	23.018	ug/l	91
15) Acrylonitrile	5.43	53	36214	119.358	ug/l	97
16) Acetone	4.17	43	36562	101.952	ug/l	93
17) Carbon Disulfide	4.39	76	76364	17.717	ug/l #	93
18) Methyl Acetate	4.72	43	18542	26.435	ug/l #	49
19) Methyl tert-butyl Ether	5.48	73	59386	19.341	ug/l	93
20) Methylene Chloride	4.96	84	37792	22.069	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	32988	22.348	ug/l	94
22) Diisopropyl ether	6.37	45	94815	23.550	ug/l #	92
23) Vinyl Acetate	6.31	43	271038	113.164	ug/l	95
24) 1,1-Dichloroethane	6.26	63	53357	21.516	ug/l #	92
25) 2-Butanone	7.23	43	47672	112.169	ug/l	97
26) 2,2-Dichloropropane	7.21	77	48398	21.574	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	35835	21.449	ug/l	96
28) Bromochloromethane	7.56	49	18488	20.742	ug/l	89
29) Tetrahydrofuran	7.57	42	28867	116.368	ug/l	93
30) Chloroform	7.72	83	59372	22.043	ug/l	96
31) Cyclohexane	7.98	56	53357	23.943	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	49631	21.481	ug/l #	91
36) 1,1-Dichloropropene	8.11	75	49923	24.267	ug/l	97
37) Ethyl Acetate	7.30	43	21691	24.240	ug/l #	98
38) Carbon Tetrachloride	8.10	117	47557	22.876	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59541	23.539	ug/l	92
40) Benzene	8.35	78	134797	22.864	ug/l	98
41) Methacrylonitrile	7.53	41	9256	19.406	ug/l	95
42) 1,2-Dichloroethane	8.43	62	38110	22.347	ug/l	99
43) Isopropyl Acetate	8.46	43	36224	20.996	ug/l	99
44) Trichloroethene	9.11	130	37898	22.293	ug/l	93
45) 1,2-Dichloropropane	9.40	63	32730	22.682	ug/l	99
46) Dibromomethane	9.48	93	18151	22.087	ug/l	97
47) Bromodichloromethane	9.67	83	44727	21.139	ug/l #	93
48) Methyl methacrylate	9.46	41	16080	19.452	ug/l	93
49) 1,4-Dioxane	9.47	88	4927	439.219	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	97568	109.043	ug/l	99
52) Toluene	10.41	92	94741	23.410	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	44240	21.427	ug/l #	84
54) cis-1,3-Dichloropropene	10.09	75	50483	21.241	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	28223	24.323	ug/l	96
56) Ethyl methacrylate	10.66	69	29690	20.205	ug/l	97
57) 1,3-Dichloropropane	10.95	76	47984	24.169	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	64358	101.894	ug/l	97
59) 2-Hexanone	10.99	43	72677	112.286	ug/l	99
60) Dibromochloromethane	11.15	129	33004	21.847	ug/l	96
61) 1,2-Dibromoethane	11.25	107	27285	24.255	ug/l	94
64) Tetrachloroethene	10.88	164	34471	21.617	ug/l	95
65) Chlorobenzene	11.68	112	106980	22.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	38553	22.304	ug/l	95
67) Ethyl Benzene	11.75	91	191452	22.633	ug/l	97
68) m/p-Xylenes	11.86	106	147939	45.311	ug/l	96
69) o-Xylene	12.18	106	66577	21.295	ug/l	99
70) Styrene	12.20	104	119166	22.516	ug/l	97
71) Bromoform	12.37	173	20897	22.526	ug/l #	97
73) Isopropylbenzene	12.48	105	186006	21.350	ug/l	96
74) N-amyl acetate	12.30	43	35745	19.056	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	32311	21.313	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	18232m	21.005	ug/l	
77) Bromobenzene	12.77	156	44580	20.538	ug/l	96
78) n-propylbenzene	12.83	91	226265	22.126	ug/l	97
79) 2-Chlorotoluene	12.91	91	118550	21.024	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	152943	21.042	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	8859	18.061	ug/l	87
82) 4-Chlorotoluene	13.01	91	125591	20.996	ug/l	98
83) tert-Butylbenzene	13.23	119	135598	20.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157501	21.019	ug/l	100
85) sec-Butylbenzene	13.41	105	197628	22.623	ug/l	100
86) p-Isopropyltoluene	13.52	119	181852	21.999	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	94414	22.014	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90139	21.304	ug/l	97
89) n-Butylbenzene	13.85	91	173579	22.559	ug/l	96
90) Hexachloroethane	14.12	117	32674	21.977	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79751	21.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4769	18.708	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58183	20.402	ug/l	97
94) Hexachlorobutadiene	15.28	225	34814	22.122	ug/l	97
95) Naphthalene	15.41	128	98816	20.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49049	19.934	ug/l	98

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

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