

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065213.D
 Acq On : 18 Feb 2020 11:02
 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

MMDadoda
 2/19/2020 1:44:03 PM

Quant Time: Feb 19 03:14:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289769	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	41687	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	
35) Dibromofluoromethane	7.92	113	42369	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
50) Toluene-d8	10.34	98	151585	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.64	95	48390	10.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	37114	10.374	ug/l	97
3) Chloromethane	2.21	50	50890	11.176	ug/l	92
4) Vinyl Chloride	2.35	62	50495	10.905	ug/l	95
5) Bromomethane	2.77	94	31970	11.420	ug/l	97
6) Chloroethane	2.92	64	31391	11.107	ug/l	99
7) Trichlorofluoromethane	3.27	101	74800	11.284	ug/l	99
8) Diethyl Ether	3.70	74	22647	11.318	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46995	11.226	ug/l	99
10) Methyl Iodide	4.29	142	40325	9.277	ug/l	97
11) Tert butyl alcohol	5.24	59	13250	57.787	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	44084	11.148	ug/l	97
13) Acrolein	3.93	56	24004	70.322	ug/l	95
14) Allyl chloride	4.71	41	69532	10.827	ug/l	99
15) Acrylonitrile	5.43	53	48220	54.429	ug/l	100
16) Acetone	4.17	43	47648	50.799	ug/l	97
17) Carbon Disulfide	4.40	76	147336	11.113	ug/l	99
18) Methyl Acetate	4.73	43	22259	10.551	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	84063	10.194	ug/l	95
20) Methylene Chloride	4.96	84	57602	12.098	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	50004	11.123	ug/l	100
22) Diisopropyl ether	6.37	45	134560	10.869	ug/l	99
23) Vinyl Acetate	6.31	43	342971	50.252	ug/l	99
24) 1,1-Dichloroethane	6.27	63	86045	11.205	ug/l	98
25) 2-Butanone	7.23	43	65076	54.836	ug/l	99
26) 2,2-Dichloropropane	7.21	77	75515	11.334	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	52525	11.030	ug/l	98
28) Bromochloromethane	7.56	49	29789	10.457	ug/l	98
29) Tetrahydrofuran	7.57	42	36321	52.235	ug/l	99
30) Chloroform	7.71	83	87673	11.333	ug/l	100
31) Cyclohexane	7.98	56	82600	10.948	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	77822	11.243	ug/l	99
36) 1,1-Dichloropropene	8.11	75	67595	10.737	ug/l	97
37) Ethyl Acetate	7.30	43	27276	10.364	ug/l	100
38) Carbon Tetrachloride	8.10	117	69342	10.820	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74956	10.128	ug/l	96
40) Benzene	8.36	78	193718	10.902	ug/l	99
41) Methacrylonitrile	7.53	41	17070	11.234	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	54615	11.180	ug/l	100
43) Isopropyl Acetate	8.46	43	50879	10.631	ug/l	97
44) Trichloroethene	9.11	130	54442	11.053	ug/l	99
45) 1,2-Dichloropropane	9.40	63	49582	11.222	ug/l	99
46) Dibromomethane	9.48	93	25319	11.137	ug/l	99
47) Bromodichloromethane	9.67	83	65733	10.972	ug/l #	97
48) Methyl methacrylate	9.46	41	21579	9.755	ug/l	92
49) 1,4-Dioxane	9.47	88	5581	209.313	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	128917	53.036	ug/l	98
52) Toluene	10.41	92	118433	10.768	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	59608	10.734	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	70025	10.442	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	35380	11.057	ug/l	98
56) Ethyl methacrylate	10.67	69	35364	9.575	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58196	10.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	54338	46.667	ug/l	99
59) 2-Hexanone	10.99	43	87428	50.245	ug/l	95
60) Dibromochloromethane	11.14	129	46035	11.240	ug/l	97
61) 1,2-Dibromoethane	11.26	107	32699	10.793	ug/l	98
64) Tetrachloroethene	10.88	164	44365	10.690	ug/l	87
65) Chlorobenzene	11.67	112	129359	11.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48308	11.024	ug/l	99
67) Ethyl Benzene	11.75	91	217486	10.575	ug/l	97
68) m/p-Xylenes	11.86	106	169055	21.485	ug/l	99
69) o-Xylene	12.18	106	71194	10.213	ug/l	100
70) Styrene	12.20	104	127821	10.328	ug/l	99
71) Bromoform	12.37	173	26667	10.967	ug/l #	99
73) Isopropylbenzene	12.48	105	195324	10.182	ug/l	100
74) N-amyl acetate	12.30	43	42077	9.871	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	38265	11.052	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25106m	6.046	ug/l	
77) Bromobenzene	12.77	156	50671	10.637	ug/l	98
78) n-propylbenzene	12.83	91	238240	10.334	ug/l	99
79) 2-Chlorotoluene	12.91	91	137134	10.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	163293	10.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11622	10.178	ug/l	98
82) 4-Chlorotoluene	13.01	91	149167	10.879	ug/l	98
83) tert-Butylbenzene	13.23	119	133218	10.060	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	163355	10.329	ug/l	100
85) sec-Butylbenzene	13.41	105	198440	10.399	ug/l	100
86) p-Isopropyltoluene	13.53	119	176321	10.104	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	99470	10.801	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	97369	10.713	ug/l	93
89) n-Butylbenzene	13.85	91	162590	10.111	ug/l	97
90) Hexachloroethane	14.12	117	37410	10.558	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	86129	10.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5575	10.449	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54072	10.454	ug/l	98
94) Hexachlorobutadiene	15.28	225	36764	11.080	ug/l	98
95) Naphthalene	15.41	128	79032	9.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	46380	10.267	ug/l	99

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

